| D3286 Specifications Operating Frequency | | Error Measurement Mode: | 3 groups can be selected, within each group three types of measurements can be done simultaneously, and one type | |
|---|---|---|--|--|
| Operating Frequency Rang | e: 150 MHz to 12 GHz | | displayed | |
| | 150 MHz to 12.5 GHz (Option 72) | Omission/Insertion Group | | |
| | | OMISSION: | Displays the measured value of errors of | |
| Measuring Functions | | | the sort when logical data value of '0' is | |
| Reference Measuring Funct | tions: | | input when '1' is the expected value | |
| | Simultaneous measurement of 6 functions, 1 function can be selected for display | INSERTION: | Displays the measured value of errors of the sort when logical data value of '1' is input when '0' is the expected value | |
| | Error rate measurement | TOTAL: | Displays the measured value of the sum | |
| | Error count measurement Error interval (EI) measurement Error free interval (EFI) measurement | | of OMISSION and INSERTION type errors (all errors). | |
| | Frequency measurement | Overhead/Payload Group | | |
| | Frame count measurement: | Can only be selected when the patt | ern mode is FRAME | |
| | Frame count measurement can only be | OVERHEAD: | Displays the measured value of errors in | |
| | done when the pattern mode is FRAME, | | the overhead part. | |
| | the payload format is WORD or PRBS, | PAYLOAD: | Displays the measured value of errors in | |
| | and the measuring time mode is FRAME | | the payload part. | |
| | TIME (FR. TIME) or FRAME | ALL: | Displays the measured value of sum of | |
| | INTERVAL (FR. INTV) | | the errors in the overhead part and | |
| Display Format: | Synchronous measurement | | payload part (all frame errors). | |
| Error rate measurement (1 | Error rate measurement (1 type fixed) | | Specific field group | |
| Exponential format: | Displays the number of error bits per | Can only be selected when the patt | ern mode is WORD or FRAME | |
| | number of input bits | SPECIFIC FIELD: | Displays the measured value of errors | |
| | Up to 5 digit mantissa + exponent | | within a specified specific field. | |
| | 2 types, 1 type can be selected for | OTHER FIELD: | Displays the measured value of errors | |
| display) | | | within the fields other than the specified | |
| Exponential format: | Displays the number of error bits in | | specific field. | |
| | exponential format | ALL: | Displays the measured value of the sum | |
| T | Up to 5 digit mantissa + exponent | | of the errors in the specific field and the | |
| Integer format: | Displays the lowest 8 digits of the | Michael Desults Display | other fields (all pattern errors) | |
| Error interval measurement | number of error bits as an integer | Midway Results Display: Threshold EF/EFI Measureme | ON/OFF selectable | |
| for display) | t (2 types, 1 type can be selected | Threshold Er/Eri Measureine | Measured results can only be given as | |
| % format: | Displays the number of error intervals | | printer output and file record Measures | |
| /o format. | per number of measured intervals as a | | simultaneously with the reference | |
| | fixed decimal point percentage | | measurement function | |
| | Up to 3 digit integer part + 4 digit | Error Performance Measurem | nent: | |
| | decimal part | | Measured results can only be given as | |
| Number of interval format: | Display the number of error intervals in | | printer output and file record | |
| | exponential format | | Measurement items (the 5 items below | |
| | Up to 5 digit mantissa + exponent | | are measured simultaneously with the | |
| Error free interval (EFI) measurement (2 types, 1 type can be | | | reference measurement function) | |
| selected for display) | | | ES:Errored Seconds | |
| % format: | Displays the number of error free | | EFS: Error Free Seconds | |
| | intervals as a fixed decimal point | | SES: Severely Errored Seconds | |
| | percentage Up to 3 digit integer part + 4 digit | | US:Unavailable Seconds DM:Degraded Minutes | |
| | decimal part | Measurement Control | Divi.Degraded Willings | |
| Number of interval format: | Displays the number of error free | START: | Starts simultaneous measurement of all | |
| i vanibui or intui vai iUlillat. | intervals in exponential format | STINUI. | measuring functions, or measurement | |
| | Up to 5 digit mantissa + exponent | | interrupt and re-start. Can be done with | |
| Frequency measurement (1 | | | front panel keys, GPIB or external gate | |
| Fixed decimal point: | Displays the frequency of the input clock | | input signal. | |
| F | in MHz units in fixed decimal point | STOP: | Stops simultaneous measurement of all | |
| | format | | measuring functions. Can be operated | |
| | Up to 5 digit integer part + 3 digit | | through front panel keys, GPIB built-in | |
| | decimal part | | timer, or external gate input signal. | |
| Number of frames measure | | | _ | |
| Exponent format: | Converts the number of input bits to a | | | |
| | number of frames and displays this | | | |
| | number | | | |
| | Up to 5 digit mantissa + exponent | | | |
| | | | | |
| | | | | |
| | | | | |

| number of frame units and measuring period is set in day/hour/minute/second units.Thresho units.FR. INTV:Can only be selected when pattern mode is FRAME. Measuring interval is set in number of frame units and measuring period is set in number of measuring interval units.Termin Input in Second frame the pattern synchronization is established during the period from measuring start to measuring end, only the area set by the burst timer is measured.Termin Input in PolarityMask Function:Can only be selected when pattern mode is WORD or FRAME. Synchronization and measurement are done ignoring errors in the specified matk field.Input a Connec Input w Auto Consec Input w Auto synchronization:ON/OFF selectable ON/OFF selectableAuto Auto Consec Input w Connec Input w Auto Sec OFF during PRBS.Clock s Consec Input w Control Consec Input w Consec Input w Consec Input w Consec Input w Auto Sec OFF during PRBS.Clock s Consec Input w Consec Input w Consec Input w Consec Input w Consec Input w Measurement Conditions Display Lamp GATE: CLOCK error:Clight sduring measurement results overflow.Clock s Signal for Consec Input w Consec Consec Input w Consect when normal clock is input.Load in Consec Consec Signal for Output Month Rescord Under Stars Signal for Consec Synchronization error.Clock s Signal for Consec Consec Signal for Consec Consec Consec Synchronization error.Clock s Signal for Consec Consec Consec Consec Synchronization error.Clock s Signal for Consec Consec <br< th=""><th>surement Input</th><th></th></br<> | surement Input | |
|--|-------------------|--|
| day/hour/minute/scond units. Code: FR. TIME: Can only be selected when pattern mode is FRAME. Measuring interval is set in number of frame units and measuring period is set in day/hour/minute/second units. Input a FR. INTV: Can only be selected when pattern mode is FRAME. Measuring interval is set in number of frame units and measuring period is set in number of measuring interval units. Termin Input in the set in number of measuring period is set in number of measuring end, only the area set by the burst time is measured. Termin Input in UV raibbi UV raibbi UV raibbi Source of the set of the set of the set of the set of the area set by the burst time is measured. To any Variabbi Input in the area set by the burst time is synchronization and measurement are done ignoring errors in the specified mask field. Input a Input a Auto synchronization: ON/OFF selectable Autors Auto synchronization: ON/OFF selectable Autors Auto synchronization: Can be turned ON or OFF when pattern mode is FAME or WORD. Set OFF during PRBS. Clock is Trigger Frame synchronization: Command can be given using front panel keys or CPIB. Contex Command can be given using front panel keys or CPIB. Measurement Conditions Display Lamp GATE: Lights when a 1 or more bit error is oces out when nerror is no longer detected. Load in Connec Connec connec SYNC error: Lights when the input clock fails or frequency is too low. Goes out when nerror is no longer detected. | | DC termination, DC coupling |
| FR. TIME: Can only be selected when pattern mode is FRAME. Measuring interval is set in number of frame units and measuring period is set in day/hour/minute/second units. Polarity Thresh measuring interval is set in number of frame units and measuring period is set in number of measuring interval is set in number of frame units and measuring period is set in number of measuring interval is set in number of frame units and measuring period is set in number of measuring interval is set in number of frame units and measuring interval is set in number of frame units and measuring period is set in number of measuring end, only the area set by the burst timer is measured. Termin Input in Input in Such 2000 or FRAME. Mask Function: Can only be selected when pattern mode is WORD or FRAME. To any Polarity the area set by the burst timer is measured. To any Polarity Unit an Synchronization and measurement are done ignoring errors in the specified mask field. To any Polarity Unit an or greater than the prescribed value. Pattern Synchronization: ON/OFF selectable When ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value. Contect Input with Contect Set OFF during PRSS. Frame synchronization: Can be turned ON or OFF when pattern synchronization is done. Contect Output Measurement Conditions Display Lamp DATA error: Lights when neasurement. Lodk in Connee Connee Connee Connee Connee Connee Connee Connee Connee Connee Connee Connee Connee Connee Connee Connee Connee Connee Synchronization error. Load in Connee Connee Connee Connee Connee Connee Synchronization error. After the error is recovered, | | NRZ |
| is FRAME. Measuring interval is set in number of frame units and measuring period is set in day/hour/minute/second units. FR. INTV: Can only be selected when pattern mode is FRAME. Measuring interval is set in number of frame units and measuring period is set in number of measuring period is set in number of measuring measuring start to measuring measuring the area set by the burst timer is measured. Mask Function: Can only be selected when pattern mode is WORD or FRAME. Mask Function: Can only be selected when pattern mode is WORD or FRAME. Pattern Synchronization Auto synchronization: Termin mode is FRAME. Measuring end, only the area set by the burst timer is measured. Mask Function: Can only be selected when pattern mode is WORD or FRAME. Pattern Synchronization Auto synchronization: Termin mode is FRAME. Frame synchronization: Command can be given using front pantern synchronization: Command can be given using front pantern wynchronization: Command can be given using front pantern searched and high speed pattern synchronization: Command can be given using front pantern detected. Comment Gare: Lights when measurement. Command can be given using front panter keys or GPIB. Measurement Conditions Display Lamp GATE: Command can be given using front panter goes out when pattern or is to longer detected. Clock fails or frequency is too low. Goes out when nerror is no longer detected. Clock fails or frequency is too low. Goes out when nerror is no longer detected. Clock fails or frequency is too low. Goes out when pattern synchronization is starther failure. Stays ilt until the next measurement starts. Clock error: Lights when the input clock fails or frequency is too low. After the error is connec covered. Lights when the input clock fails or frequency is too low. After the error is connec synchronization error. After the error is recovered. Lights when the input clock fails or frequency is too low. After the error is recovered. Lights when th | | Logical inversion possible |
| number of frame units and measuring period is set in day/hour/minute/second units.Threshe period is set in day/hour/minute/second units.FR. INTV:Can only be selected when pattern mode is FRAME. Measuring interval is set in number of frame units and measuring period is set in number of measuring interval units.Termin Input it Input itBURST:Each time pattern synchronization is connec established during the period from measuring start to measuring end, only the area set by the burst timer is measured.Termin Input it Polarity PolarityMask Function:Can only be selected when pattern mode is WORD or FRAME.Uty ra Polarity Polarity Polarity Polarity Polarity Polarity Polarity Input in mask field.Termin Input in Input | 5 | 0.1 Vp-p to 2 Vp-p |
| FR. INTV:Units. Can only be selected when pattern mode is FRAME. Measuring interval is set in number of frame units and measuring period is set in number of measuring end, only interval units.Termin Input itBURST:Each time pattern synchronization is established during the period from measuring start to measuring end, only the area set by the burst timer is measured.Toomet Cock to Cock to PolarityMask Function:Can only be selected when pattern mode is WORD or FRAME. Synchronization and measurement are done ignoring errors in the specified mask field.Tormin Tormin Tormin Tormin mask field.Pattern Synchronization:ON/OFF selectable When ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value. Contex weight on Or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS.Clock si Trigge Output Wen ON, the specified hunting pattern synchronization: Command can be given using front panter mode is FRAME or WORD. Set OFF during PRBS.Clock si Toring OutputRe-synchronization:Lights when a 1 or more bit error is overflow.Output Monit detected.Clock reror:Lights when a 1 or more bit error is ocos out when error is no longer detected.Load in Connee Connee Connee Connee Connee Connee corrorLoad in Connee Connee Connee Synchronization error. Goes out when nerror is no longer detected.Load in Connee Connee Connee Connee Connee Connee Connee Connee Synchronization error. Cos out when nerror is no longer descted.Load in Connee Connee Connee Connee | | Setting range -2.040 V to + 2.040 V |
| FR. INTV: Can only be selected when pattern mode is FRAME. Measuring interval is set in number of frame units and measuring period is set in number of measuring interval units. Termin Input in Input in the area set by the butst timer is measured. Termin Input in Input | | Setting resolution 0.001 V steps (with |
| is FRAME. Measuring interval is set in number of frame units and measuring period is set in number of measuring interval units. BURST: Each time pattern synchronization is connected with the area set by the burst timer is measuring start to measuring end, only the area set by the burst timer is measured. Mask Function: Can only be selected when pattern mode is WORD or FRAME. Pattern Synchronization Auto synchronization: ON/OFF selectable Muther area set is the specified unput in mask field. Pattern Synchronization: ON/OFF selectable Muther area sequal to or greater than the prescribed value. Frame synchronization: Can be turned ON or OFF when pattern mode is searched and high speed pattern synchronization: Can be turned ON or OFF when pattern mode is searched and high speed pattern synchronization: Command can be given using front panel keys or GPIB. Measurement Conditions Display Lamp CATE: Lights during measurement. Clock area: Lights during measurement. Clock area: Lights when a 1 or more bit error is detected. Clock area: Lights when area pattern synchronization is done. CLOCK error: Lights when a 1 or more bit error is detected. Clock reror: Lights when areas pattern synchronization is done. CLOCK error: Lights when a 1 or more bit error is detected. Clock reror: Lights when a 1 or more bit error is detected. Clock reror: Lights when reror is no longer Load in detected. Clock reror: Lights when here is a pattern synchronization is colow. Firtor Alarm Display Lamp FOWER fail: Lights when there is a pattern Synchronization is colow. Firtor Clock error: Lights when the input clock fails or frequency is too low. There is a pattern Synchronization is colow. SYNC error: Lights when there is a pattern Synchronization is connec recovered. lights until the next measurement starts. CLOCK error: Lights when the input clock fails or frequency is too low. After the error is no longer Synchronization error. After the error is connec recovered. lights until the next measurement starts. SYNC error: Li | | 0 V terminal voltage) |
| number of frame units and measuring period is set in number of measuring interval units. Input in Input in Each time pattern synchronization is concernet established during the period from Concernet is established during the period from Concernet is established during the period from Concernet is established. Input an measured. Clock I pout is WORD or FRAME. Input an Synchronization and measurement are done ignoring errors in the specified Input in mask field. Input an Synchronization is done automatically when the error rate is equal to or greater than the prescribed value. Concernet is searched and high speed pattern synchronization: Commend can be given using front pant is searched and high speed pattern synchronization is done. (PATTI Re-synchronization is done. (PATTI Re-synchronization: Command can be given using front pant keys or GPIB. Command can be given using front pant keys or GPIB. Concernet Conditions Display Lamp GATE: Lights when a 1 or more bit error is cont when reror is no longer Load in Geos out when normal clock is input. Load in Geos out when normal clock is input. Load in SYNC error: Lights when the input clock fails or frequency is too low. Greater that the pattern synchronization is done. (Concernet Conditions Display Lamp GATE: Lights when the ror is no longer Load in Geos out when normal clock is input. Load in SYNC error: Lights when the input clock fails or frequency is too low. Geos out when normal clock is input. Load in SYNC error: Lights when the input clock fails or frequency is too low. After the error is comment stars. CLOCK error: Lights when the input clock fails or frequency is too low. After the error is comment stars. SYNC error: Sounds when there is a pattern synchronization is come recovered. Lights until the next measurement starts. SYNC error: Sounds when there is a DATA error. Can be set to DN/OFF. Volume variable when there is a DATA error. Can be set to DN/OFF. Volume variable when the error is commend tare sound and the starts. Survey of the starts. Survey of the | | Setting range -1.850 V to -0.750 V |
| period is set in number of measuring interval units.Termin Input in Input in BURST:Termin interval units.BURST:Each time pattern synchronization is established during the period from measuring start to measuring end, only the area set by the burst timer is measured.Clock I Input in PolarityMask Function:Can only be selected when pattern mode is WORD or FRAME. Synchronization and measurement are done ignoring errors in the specified automatically when the error rate is equal to or greater than the prescribed value.Input in VariablePattern Synchronization:ON/OFF selectable When ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value.Clock in TriggeFrame synchronization:Can be turned ON or OFF when pattern synchronization is done.Clock si PatternFrame synchronization:Command can be given using front panel keys or GPIB.OutputMeasurement Conditions Display LampClock si overflow.Clock si PatternDATA error:Lights during measurement results overflow.Clock si patternSYNC error:Lights when nal or more bit error is detected.Clock in Connec overflow.SYNC error:Lights when nal nord ki si spattern requency is too low.Clock repror Clock crore:SYNC error:Lights when the input clock fails or frequency is too low.Clock repror Clock crore:SYNC error:Lights after power is restored after a power failure. Stays lit until the next measurement stars.Connec Connec ConnecSYNC error: | | Setting resolution 0.001V steps(with |
| interval units. Input in BURST: Each time pattern synchronization is established during the period from measuring start to measuring end, only the area set by the burst timer is measured. Can only be selected when pattern mode is WORD or FRAME. Synchronization and measurement are done ignoring errors in the specified mask field. Input in mask field. NoN, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value. Frame synchronization: ON/OFF selectable When ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value. Frame synchronization: Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS. When ON, the specified hunting pattern is searched and high speed pattern synchronization is done. Re-synchronization: Command can be given using front panel keys or CFIB. Measurement Conditions Display Lamp DATA error: Lights when measurement. CLOCK error: Lights when neasurement results overflow. Error Alarm Display Lamp DATA error: Lights when neasurement results courd detected. CLOCK error: Lights when nearon is no longer detected. CLOCK error: Lights when nearon is no longer detected. CLOCK error: Lights when nearon is no longer synchronization error. Geos out when normal clock is input. SYNC error: Lights when nearon is no longer synchronization error. Coos out when pattern synchronization is detected. CLOCK error: Lights when the input clock fails or frequency is too low. SYNC error: Lights when the input clock fails or frequency is too low. SYNC error: Lights when the input clock fails or frequency is too low. SYNC error: Lights when the input clock fails or frequency is too low. SYNC error: Lights when the input clock fails or frequency is too low. SYNC error: Lights when the input clock fails or frequency is too low. SYNC error: Lights when the input clock fails or frequency is too low. SYNC error: Lights when the input clock fails or frequency is too low. SYNC error: Lights when th | | -2 V terminal voltage) |
| BURST: Each time pattern synchronization is Connec established during the period from measuring dart to measuring end, only Input fe Mask Function: Can only be selected when pattern mode Variable Mask Function: Can only be selected when pattern mode Input fe Mask Function: ON/OFF selectable Input fe Pattern Synchronization ON/OFF selectable Autors Auto synchronization: ON/OFF selectable Autors Frame synchronization: Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS. Frame synchronization: Can be turned ON or OFF when pattern synchronization is done. (Pattern Counting pattern is searched and high speed pattern synchronization is done. (Pattern Counting pattern is searched and high speed pattern synchronization is done. (Pattern Counting pattern is searched and high speed pattern is searched and high speed pattern is searched and high speed pattern is detected. Coad in Countput feetered. Coad in Countput feetered. OVER: Lights during measurement results overflow. Connec Countput feetered. Coad in Countput feetered. CLOCK error: Lights when nerror is no longer detected. Coad in Countput feetered. Coad in Countput feetered. Coad in Counec SYNC err | 0 | -2 V/0 V (GND) |
| established during the period from measuring start to measuring end, only the area set by the burst timer is measured. Can only be selected when pattern mode is WORD or FRAME. Input a Synchronization and measurement are done ignoring errors in the specified mask field. Conner Pattern Synchronization: ON/OFF selectable Auto synchronization: ON/OFF selectable When ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value. Frame synchronization: Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS. When ON, the specified hunting pattern such and tigh speed pattern synchronization is done. Trigge GATE: Lights when measurement. OVER: Lights when measurement. DVER: Lights when measurement. DVER: Lights when a 1 or more bit error is detected. CADE with error is no longer to owerflow. Error Alarm Display Lamp DATA error: Lights when a 1 or more bit error is detected. CLOCK error: Lights when the input clock fails or frequency is too low. CLOCK error: Lights when the input clock fails or frequency is too low. CLOCK error: Lights when the input clock fails or frequency is too low. CLOCK error: Lights when the input clock fails or frequency is too low. CLOCK error: Lights when the input clock fails or frequency is too low. CLOCK error: Lights when the input clock fails or frequency is too low. CLOCK error: Lights when the input clock fails or frequency is too low. CLOCK error: Lights when the input clock fails or frequency is too low. CLOCK error: Lights when the input clock fails or frequency is too low. After the error is synchronization error. After the error is synchronization error. After the error is connec measurement stars. CLOCK error: Lights when the input clock fails or frequency is too low. After the error is connec measurement stars. CLOCK error: Lights when the eres a pattern synchronization error. After the error is connec measurement stars. Error Chaits the the error is connec measurement starts. Everei Error Chaits the ther | - | Approx. 50 Ω |
| measuring start to measuring end, only the area set by the burst timer is measured. Mask Function: Can only be selected when pattern mode is WORD or FRAME. Synchronization and measurement are done ignoring errors in the specified mak field. Pattern Synchronization Auto synchronization: ON/OFF selectable When ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value. Trigge Frame synchronization: Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS. When ON, the specified hunting pattern synchronization: Command can be given using front panel keys or GPIB. Measurement Conditions Display Lamp GATE: Lights when measurement results overflow. Error Alarm Display Lamp DATA error: Lights when a 1 or more bit error is detected. CLOCK error: Lights when the input clock fails or frequency is too low. Goes out when error is no longer detected. CLOCK error: Lights when measurement clock is input. SYNC error: Lights when the input clock fails or frequency is too low. Goes out when pattern synchronization is established. CLOCK error: Lights when the input clock fails or frequency is too low. CLOCK error: Lights when the ris a pattern synchronization error. Goes out when prover is restored after a power failure. Stays lit until the next measurement stars. CLOCK error: Lights when the input clock fails or frequency is too low. After the error is connect power failure. Stays lit until the next measurement stars. CLOCK error: Lights when the input clock fails or frequency is too low. After the error is connect power failure. Stays lit until the next measurement stars. CLOCK error: Lights when the ris a pattern synchronization error. After the error is connect power failure. Stays lit until the next measurement starts. SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | | 2.92 mm (plug) |
| the area set by the burst timer is measured.Duty ra measured.Mask Function:Can only be selected when pattern mode is WORD or FRAME. Synchronization and measurement are done ignoring errors in the specified mask field.Duty ra Polarity VariablePattern Synchronization:ON/OFF selectable When ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value. Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS.Output Polarity Auto SQFrame synchronization:Can be turned ON or OFF when pattern synchronization is done. serched and high speed pattern synchronization is done. (PATT)Clock s Pattern Pattern Pattern Synchronization is done. (PATT)Re-synchronization:Command can be given using front panel keys or GPIB.Output Monitu detected.Measurement Conditions Display Lamp GATE: DATA error:Lights when a 1 or more bit error is detected.Output Monitu detected.Clock K error:Lights when a 1 or more bit error is detected.Connec corriow.Clock K error:Lights when the input clock fails or frequency is too low. Goes out when normal clock is input.Load in ConnecSYNC error:Lights after power is restored after a power failure. Stays lit until the next measurement stars.Output measurement stars.CLOCK error:Lights when there is a pattern synchronization is cornec word fully shafter power is restored after a power failure. Stays lit until the next measurement stars.Load in frequency is too low. After the error is connec too dup <td>•</td> <td>DC termination, AC coupling</td> | • | DC termination, AC coupling |
| measured.PolarityMask Function:Can only be selected when pattern modelInput inSynchronization and measurement are done ignoring errors in the specified mask field.Input inPattern Synchronization:ON/OFF selectableAutomaAuto synchronization:ON/OFF selectableAutomaMask Function:ON/OFF selectableAutomaMuto synchronization:ON/OFF selectableAutomaMuto synchronization:Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS.OutputFrame synchronization:Can be turned ON or OFF when pattern searched and high speed pattern synchronization is done.Clock sRe-synchronization:Command can be given using front panel keys or GPIB.OutputMeasurement Conditions Display Lamp GATE:Lights during measurement results overflow.ConnectError Alarm Display Lamp GATA error:Lights when a 1 or more bit error is detected.ConnectCLOCK error:Lights when the input clock fails or frequency is too low.Clock as power failure.Signal fSYNC error:Lights when there is a pattern gore faill:Clock fails or frequency is too low.Clock cornecSYNC error:Lights when there is a pattern synchronization is detected.ConnecCLOCK error:Lights when there is a pattern frequency is too low.ConnecSYNC error:Lights when there is a pattern synchronization is detected.Load in connecSYNC error:Lights when there is a pattern synchronizatio | | 50% ±5% |
| Mask Function: Can only be selected when pattern mode is WORD or FRAME. Input a Synchronization and measurement are done ignoring errors in the specified mask field. Input with remning done ignoring errors in the specified mask field. Pattern Synchronization ON/OFF selectable Auto Synchronization is done automatically when the error rate is equal to or greater than the prescribed value. Connec cock Frame synchronization: Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS. Output mode is FRAME or WORD. Re-synchronization: Command can be given using front panel keys or GPIB. Coutput Measurement Conditions Display Lamp GATE: Lights during measurement. Goes out when reror is no longer detected. Connec overflow. Error Alarm Display Lamp DATA error: Lights when a 1 or more bit error is detected. Connec coreflow. SYNC error: Lights when the input clock fails or frequency is too low. Clock fails or frequency is too low. SYNC error: Lights when the input clock fails or frequency is too low. Connec synchronization error. Goes out when pattern synchronization is established. SYNC error: Lights when the input clock fails or frequency is too low. After the error is connec synchronization error. Load in frequency is too low. After the error is connec synchronization error. CLOCK error: Lights when the input clock fails or frequency is too low. After the err | | Identified at rise edge |
| is WORD or FRAME. Synchronization and measurement are done ignoring errors in the specified mask field. Pattern Synchronization: Auto synchronization: ON/OFF selectable When ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value. Frame synchronization: Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS. When ON, the specified hunting pattern synchronization is done. Re-synchronization: Command can be given using front panel keys or GPIB. Measurement Conditions Display Lamp GATE: Lights when measurement results overflow. Error Alarm Display Lamp DATA error: Lights when a 1 or more bit error is detected. Goes out when error is no longer detected. CLOCK error: Lights when nerror is no longer detected. CLOCK error: Lights when nerror is no longer detected. CLOCK error: Lights when nerror is no longer detected. CLOCK error: Lights when the input clock fails or frequency is too low. Goes out when pattern synchronization is established. SYNC error: Lights when the input clock fails or frequency is too low. CLOCK error: Lights when there is a pattern synchronization error. Clock reror: Lights when the input clock fails or frequency is too low. CLOCK error: Lights when there is a pattern synchronization error. Clock error: Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts. CLOCK error: Lights when there is a pattern synchronization error. Comme trecovered, lights until the next measurement starts. SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. SYNC error: Lights when there is a DATA error. Can be set to ON/OFF. Volume variable | | ±400 ps 1 ps steps (at monitor output) |
| done ignoring errors in the specified mask field.Input in ConnecPattern Synchronization:ON/OFF selectableAutorsAuto synchronization:ON/OFF selectableAutorsWhen ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value.TriggeFrame synchronization:Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS.OutputFrame synchronization:Can be turned ON or OFF when pattern synchronization is done.Clock sRe-synchronization:Command can be given using front panel keys or GPIB.OutputMeasurement Conditions Display Lamp GATE:Load in OVER: Lights during measurement.ConnecOVER:Lights when neasurement results coverflow.ConnecError Alarn Display Lamp detected.Clock fails or frequency is too low.Clock fails or frequency is too low.Clock can to any more teror is detected.SYNC error:Lights when the input clock fails or frequency is too low.Clock any connecClock and to any connecSYNC error:Lights after power is restored after a power failure. Stays lit until the next measurement stars.ConnecCLOCK error:Lights when the input clock fails or frequency is too low. After the error is connecConnecSYNC error:Lights when there is a pattern synchronization error.ConnecSYNC error:Lights when the input clock fails or frequency is too low. After the error is connecConnecCLOCK error:Lights when the i | | 0.5 Vp-p to 2 Vp-p |
| mask field.ConnecPattern SynchronizationON/OFF selectableHatto Synchronization:Auto synchronization:ON/OFF selectableAutomaWhen ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value.TriggeFrame synchronization:Can be turned ON or OFF when pattern is searched and high speed pattern synchronization is done.Clock sRe-synchronization:Command can be given using front panel keys or GPIB.OutputMeasurement Conditions Display Lamp GATE:Lights during measurement.Load in Connec overflow.Error Alarm Display Lamp DATA error:Lights when a 1 or more bit error is detected.Auxili Monit detected.Auxili Monit ConnecCLOCK error:Lights when her input clock fails or frequency is too low. Goes out when normal clock is input.Load in ConnecSYNC error:Lights sher power is restored after a power failure. Stays lit until the next measurement stars.Connec Code: OutputPOWER fail:Lights when there is a pattern synchronization error. After the error is recovered. Lights until the next measurement stars.Code: Connec StretchSYNC error:Lights when there is a pattern synchronization error. After the error is recovered. Lights until the next measurement starts.Load in Connec StretchSYNC error:Lights when there is a pattern synchronization error. After the error is recovered. Lights until the next measurement starts.Load in Connec StretchSYNC error:Lights when there is a DA | nal voltage: | -2 V/0 V (GND) |
| Pattern Synchronization:ON/OFF selectableInput wAuto synchronization:ON/OFF selectableAuto SWhen ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value.TriggeFrame synchronization:Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS.OutputFrame synchronization:Can be turned ON or OFF when pattern synchronization is done.Clock isRe-synchronization:Command can be given using front panel keys or GPIB.OutputMeasurement Conditions Display Lamp GATE:Lights when measurement.Load in Ovters.OVER:Lights when measurement results overflow.ConnecError Alarm Display Lamp detected.AuxiliDATA error:Lights when a 1 or more bit error is detected.Data m GornecCLOCK error:Lights when heri piput clock fails or frequency is too low.ConnecSYNC error:Lights when the input clock fails or frequency is too low.ConnecSYNC error:Lights after power is restored after a power failure. Stays lit until the next measurement stars.ConnecCLOCK error:Lights when the input clock fails or frequency is too low.ConnecCLOCK error:Lights when here is a pattern synchronization is ecovered. lights until the next measurement stars.Load in ConnecSYNC error:Lights when there is a pattern synchronization is recovered, lights until the next measurement starts.Load in ConnecSYNC error:Lights when there is a | | Approx. 50 Ω |
| Auto synchronization: ON/OFF selectable When ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value. Trigger Frame synchronization: Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS. When ON, the specified hunting pattern synchronization is done. (PATTI Re-synchronization: Command can be given using front panel keys or GPIB. Output Measurement Conditions Display Lamp GATE: Lights when a 1 or more bit error is detected. Connec overflow. Error Alarm Display Lamp DATA error: Lights when a 1 or more bit error is detected. Connec Goes out when normal clock fails or frequency is too low. Goes out when normal clock fails or frequency is too low. Goes out when normal clock is input. Load in SYNC error: Lights after power is restored after a power failure. Stays lit until the next measurement stars. CLOCK error: Lights after power is restored after a Connec recovered. Jights until the next measurement starts. SYNC error: Lights when there is a pattern Synchronization is recovered. Jights until the next measurement starts. Level: SYNC error: Lights when there is a pattern Synchronization is recovered. Jights until the next measurement starts. Level: SYNC error: Lights when there is a DATA error. Can be set to ON/OFF. Volume variable | | 2.92 mm (plug) |
| When ON, re-synchronization is done automatically when the error rate is equal to or greater than the prescribed value.Automa clock in TriggeFrame synchronization:Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS. When ON, the specified hunting pattern is searched and high speed pattern synchronization is done.Clock spRe-synchronization:Command can be given using front panel keys or GPIB.Pattern PatternRe-synchronization:Command can be given using front panel keys or GPIB.Connec OutputMeasurement Conditions Display Lamp DATA error:Lights when measurement. Lights when a 1 or more bit error is detected.Connec Connec Connec OutputCLOCK error:Lights when a 1 or more bit error is detected.Clock a Connec ConnecCLOCK error:Lights when the input clock fails or frequency is too low. Goes out when normal clock is input.Clock are Connec Connec ConnecSYNC error:Lights after power is restored after a power failure. Stays lit until the next measurement stars.Connec Connec ConnecCLOCK error:Lights when the input clock fails or frequency is too low. After the error is connec synchronization error.Error C ErrorCLOCK error:Lights when the input clock fails or frequency is too low. After the error is connec synchronization error. After the error is recovered, lights until the next measurement stars.Load in ConnecSYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load | | Sine wave or rectangular wave |
| automatically when the error rate is equal to or greater than the prescribed value.clock in TriggeFrame synchronization:Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS. When ON, the specified hunting pattern is searched and high speed pattern synchronization is done.Clock spRe-synchronization:Command can be given using front panel keys or GPIB.Clock spMeasurement Conditions Display Lamp GATE: OVER: overflow.Connec towerflow.OutputError Alarm Display Lamp detected.Connec Connec coverflow.Auxili Monit detected.Connec Connec Connec Connec towerflow.Connec Connec Connec Connec Connec Connec Connec Connec Coverflow.Data m Connec Synchronization error. Connec Connec Connec Signal f Power fail: Lights when ther is a pattern southronization is recovered, lights until the next measurement starts.Load in Connec Connec Connec Connec Connec Connec Connec Synchronization error. Connec recovered, lights until the next measurement starts.Load in Connec Connec Connec Connec Connec Connec Connec Connec Recovered, lights until the next measurement star | Search Function | |
| to or greater than the prescribed value. Frame synchronization: Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS. When ON, the specified hunting pattern is searched and high speed pattern synchronization is done. Re-synchronization: Command can be given using front panel keys or GPIB. Measurement Conditions Display Lamp GATE: Lights when measurement. Output Measurement Display Lamp DATA error: Lights when a 1 or more bit error is detected. Connec Connec Overflow. Error Alarm Display Lamp DATA error: Lights when the input clock fails or frequency is too low. Goes out when pattern synchronization is established. History Display Lamp POWER fail: Lights after power is restored after a power failure. Stays lit until the next measurement stars. CLOCK error: Lights when the input clock fails or frequency is too low. After the error is Signal f POWER fail: Lights when there is a pattern CLOCK error: Lights when the input clock fails or frequency is too low. After the error is Signal f POWER fail: Lights when the input clock fails or frequency is too low. After the error is connec vered, lights until the next measurement stars. CLOCK error: Lights when there is a pattern Synchronization error. Goes out when pattern synchronization is recovered, lights until the next measurement stars. SYNC error: Lights when there is a pattern Synchronization error. After the error is recovered, lights until the next measurement starts. SYNC error: Lights when there is a pattern Synchronization error. After the error is recovered, lights until the next measurement starts. Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | | lues for data input threshold level and |
| Frame synchronization:Can be turned ON or OFF when pattern mode is FRAME or WORD. Set OFF during PRBS. When ON, the specified hunting pattern is searched and high speed pattern synchronization is done.OutputRe-synchronization:Command can be given using front panel keys or GPIB.Clock sMeasurement Conditions Display Lamp GATE:Lights during measurement. Lights when measurement results overflow.OutputMeasurement Conditions Display Lamp DATA error:Lights when a 1 or more bit error is detected. Goes out when error is no longer detected.Auxili Data m ConnecCLOCK error:Lights when the input clock fails or frequency is too low. Goes out when normal clock is input.Load in ConnecSYNC error:Lights after power is restored after a power failure. Stays lit until the next measurement stars.Code: ConnecCLOCK error:Lights when the input clock fails or frequency is too low. Goes out when pattern synchronization is established.Load in ConnecSYNC error:Lights after power is restored after a power failure. Stays lit until the next measurement starts.Code: ConnecCLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in ConnecSYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in ConnecSYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. <td>er Signal Output</td> <td></td> | er Signal Output | |
| mode is FRAME or WORD. Set OFF during PRBS. When ON, the specified hunting pattern is searched and high speed pattern synchronization is done.Clock sy Pattern Pattern (PATT)Re-synchronization:Command can be given using front panel keys or GPIB.OutputMeasurement Conditions Display Lamp GATE:Lights during measurement. Lights during measurement results overflow.OutputError Alarm Display Lamp DATA error:Lights when a 1 or more bit error is detected. Goes out when error is no longer detected.Load in ConnecCLOCK error:Lights when the input clock fails or frequency is too low. Goes out when normal clock is input.Load in ConnecSYNC error:Lights after power is restored after a power failure. Stays lit until the next measurement starts.Doutput Mattern Signal f POWER fail:Lights when the is a pattern synchronization error is connecCLOCK error:Lights when the input clock fails or frequency is too low. Goes out when pattern synchronization is established.Load in ConnecCLOCK error:Lights after power is restored after a power failure. Stays lit until the next measurement starts.Code: Code: SynC error:Load in frequency is too low. After the error is recovered, lights until the next measurement starts.Load in ConnecSYNC error:Lights when the is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in ConnecBuzzer Error:Sounds when there is a DATA error. Can be set to ON/OFF. Volume variablePulse w Sounds when there is a DATA err | | Can be selected as either clock |
| Set OFF during PRBS. When ON, the specified hunting pattern is searched and high speed pattern synchronization is done.Clock s Pattern (PATT)Re-synchronization:Command can be given using front panel keys or GPIB.OutputMeasurement Conditions Display Lamp GATE:Lights during measurement.Load in OutputOVER:Lights when measurement results overflow.ConnectError Alarm Display Lamp DATA error:Lights when a 1 or more bit error is detected.Monito Load in ConnectCLOCK error:Lights when a 1 or more bit error is no longer detected.ConnectCLOCK error:Lights when the input clock fails or frequency is too low. Goes out when normal clock is input.Load in Data m ConsectSYNC error:Lights when there is a pattern synchronization error.Clock rate: Signal f POWER fail:Signal f Power failure. Stays lit until the next measurement stars.Code: Output measurement stars.CLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement stars.Code: Synch ornization error.CLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in Connec Synchronization error. After the error is recovered, lights until the next measurement starts.SYNC error:Lights when there is a pattern pulse w synchronization error. After the error is recovered, lights until the next measurement starts.Pulse w Synch error:SYNC error:Li | | synchronization or pattern |
| When ON, the specified hunting pattern is searched and high speed pattern synchronization is done.Clock sp Pattern (PATT)Re-synchronization:Command can be given using front panel keys or GPIB.OutputMeasurement Conditions Display Lamp GATE:Lights during measurement.Load in Connec overflow.Cror Alarm Display Lamp DATA error:Lights when a 1 or more bit error is detected.Moniti detected.CLOCK error:Lights when a 1 or more bit error is no longer detected.Connec ConnecCLOCK error:Lights when the input clock fails or frequency is too low.Connec ConnecSYNC error:Lights when there is a pattern synchronization error.Connec ConnecHistory Display Lamp POWER fail:Lights after power is restored after a power failure. Stays lit until the next measurement starts.Direct or Signal f Pulse w synchronization error.CLOCK error:Lights when the input clock fails or frequency is too low. After the error is established.Load in ConnecCLOCK error:Lights after power is restored after a power failure. Stays lit until the next measurement starts.Code: ConnecSYNC error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in ConnecSYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in frequency is too low. After the error is Load in frequency is too low. After the error is recovered, lights until the next | | synchronization |
| is searched and high speed pattern synchronization is done. Re-synchronization: Command can be given using front panel keys or GPIB. Measurement Conditions Display Lamp GATE: Uights during measurement. OVER: Lights when measurement results overflow. Error Alarm Display Lamp DATA error: Lights when a 1 or more bit error is detected. CLOCK error: Lights when at 1 or more bit error is detected. CLOCK error: Lights when the input clock fails or frequency is too low. Goes out when normal clock is input. SYNC error: Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established. History Display Lamp POWER fail: Lights when the input clock fails or frequency is too low. Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established. History Display Lamp POWER fail: Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts. CLOCK error: Lights when there is a pattern synchronization error. Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts. SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | | Clock frequency 1/32 divided output |
| Re-synchronization: Command can be given using front panel keys or GPIB. Output Measurement Conditions Display Lamp GATE: Lights during measurement. Load in OVER: Lights when measurement results overflow. Connect overflow. Connect overflow. Error Alarm Display Lamp Auxili Monitor detected. Data m Goes out when error is no longer detected. Data m Goes out when error is no longer detected. Connect Clock refor: Lights when the input clock fails or frequency is too low. Clock n frequency is too low. SYNC error: Lights when there is a pattern synchronization is established. Direct or Rate: History Display Lamp Signal f Code: power failure. Stays lit until the next measurement stars. Code: Dutput CLOCK error: Lights when there is a pattern synchronization is ercovered, lights until the next measurement stars. Code: Signal f POWER fail: Lights here nore is restored after a power failure. Stays lit until the next measurement stars. Cuda in frequency is too low. After the error is connect recovered, lights when there is a pattern synchronization error. Code: Connect measurement stars. CLOCK error: Lights when there is a pattern synchronization is recovered, lights until the next measurement stars. Code: Connect measurement stars. SYNC error: Lights when there is a pattern synch | n synchronization | |
| keys or GPIB.OutputMeasurement Conditions Display LampLoad inGATE:Lights during measurement.Load inOVER:Lights when measurement results overflow.ConnecError Alarm Display LampAuxiliDATA error:Lights when a 1 or more bit error is detected.AuxiliDATA error:Lights when a 1 or more bit error is detected.Monit Load in Load in ConnecCLOCK error:Lights when the input clock fails or frequency is too low.Clock no ConnecSYNC error:Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established.Direct or Rate:History Display LampFower failureLights after power is restored after a power failure.Signal f Code:CLOCK error:Lights after power is restored after a power failure.Code: Signal fCLOCK error:Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established.Load in Tequency is too low. After the error is recovered, lights until the next measurement stars.Load in frequency is too low. After the error is recovered, lights when there is a pattern synchronization error. After the error is recovered, lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in frequency is too low. After the error is recovered, lights until the next measurement starts.Load in formedBuzzerError:Sounds when there is a DATA error. Can be set to ON/OFF. Volume variableLoad in fo | (ERN): | Varies output position to any position i |
| Measurement Conditions Display LampLights during measurement.GATE:Lights when measurement.OVER:Lights when measurement results overflow.Error Alarm Display LampAuxiliDATA error:Lights when a 1 or more bit error is detected.CLOCK error:Lights when a 1 or more bit error is no longer detected.CLOCK error:Lights when the input clock fails or frequency is too low. Goes out when normal clock is input.SYNC error:Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established.History Display LampDower failure. Stays lit until the next measurement stars.CLOCK error:Lights when the input clock fails or frequency is too low. Goes out when pattern synchronization is established.History Display LampDower failure. Stays lit until the next measurement stars.CLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.CLOCK error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.SYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Buzzer Error:Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | | 16 bit units |
| GATE:Lights during measurement.Load inOVER:Lights when measurement results overflow.ConnectError Alarm Display LampAuxiliDATA error:Lights when a 1 or more bit error is detected.AuxiliDATA error:Lights when a 1 or more bit error is detected.AuxiliCLOCK error:Lights when the input clock fails or frequency is too low.Connect ConnectSYNC error:Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established.Load in ConnectHistory Display LampDigets after power is restored after a power failure. Stays lit until the next measurement stars.Direct or Signal f Code:CLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in ConnectSYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Code: Load in ConnectSYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in ConnectBuzzer Error:Sounds when there is a DATA error. Can be set to ON/OFF. Volume variableLoad in Connect | | HIGH level 0 V ±0.2 V, LOW level |
| OVER:Lights when measurement results overflow.Connect overflow.Error Alarm Display LampAuxili Monite detected.Auxili Monite Data m Goes out when a 1 or more bit error is detected.Auxili Monite Data m Load in Connect ConnectCLOCK error:Lights when a 1 or more bit error is no longer detected.Connect Connect Connect Connect Connect Connect Goes out when the input clock fails or frequency is too low. Goes out when normal clock is input.Load in Connect Connect Connect Connect Connect SYNC error:SYNC error:Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established.Error C Code: Output measurement stars.History Display Lamp POWER fail:Lights after power is restored after a power failure. Stays lit until the next measurement stars.Code: Code: Output measurement stars.CLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in Connect Evertice Code: Code: Code: Code: Code: Code: Code: Connect measurement starts.Load in Connect Code: Code: Code: Code: Code: Code: Code: Code: Code: Connect Code: Code: Code: Code: Code: Code: Code: Code: Code: Code: Code: ConnectSYNC error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in Connect Code: Code: Code: Code: Code: Connect Connect measu | | -1 V ±0.2 V |
| overflow.Error Alarm Display LampAuxiliDATA error:Lights when a 1 or more bit error is detected.Monite detected.DATA error:Lights when a 1 or more bit error is no longer detected.Data m Goes out when error is no longer detected.ConnecCLOCK error:Lights when the input clock fails or frequency is too low.Clock n Goes out when normal clock is input.Load in ConnecSYNC error:Lights when there is a pattern synchronization error.ConnecSYNC error:Lights after power is restored after a power failure. Stays lit until the next measurement stars.Output measurement stars.CLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in ConnecSYNC error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in ConnecSYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in Connec Connec Dotect clights until the next Synchronization error. After the error is recovered, lights until the next measurement starts.Load in ConnecBuzzerError:Sounds when there is a DATA error. Can be set to ON/OFF. Volume variableLoad in Connec | 1 | 50 Ω to 0 V |
| Error Alarm Display LampAuxiliDATA error:Lights when a 1 or more bit error is detected.Monito Data m Load in detected.CLOCK error:Lights when the input clock fails or frequency is too low. Goes out when normal clock is input.Load in Clock normal Clock is input.SYNC error:Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established.Load in Connect Connect Error C Goes out when pattern synchronization is established.History Display LampEights after power is restored after a power failure. Stays lit until the next measurement stars.Output Connect Error is Connect Code:CLOCK error:Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established.Direct or Rate:Wistory Display LampCode: power failure. Stays lit until the next measurement stars.Output Connect Code:CLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in Connect Connect measurement starts.SYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in Connect Connect measurement starts.Buzzer Error:Sounds when there is a DATA error. Can be set to ON/OFF. Volume variableLoad | ector: | SMA |
| DATA error: Lights when a 1 or more bit error is detected. CLOCK error: Lights when the input clock fails or frequency is too low. Goes out when normal clock is input. SYNC error: Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established. History Display Lamp POWER fail: Lights after power is restored after a power failure. Stays lit until the next measurement stars. CLOCK error: Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts. SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. SYNC error: Lights when there is a DATA error. Can be set to ON/OFF. Volume variable | liary Output | |
| detected. Goes out when error is no longer detected.Data m Load in CalorCLOCK error:Lights when the input clock fails or frequency is too low. Goes out when normal clock is input.Load in Connect Clock n frequency is too low. Goes out when normal clock is input.Load in Connect Connect Synchronization error.SYNC error:Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established.Direct of Rate:History Display LampSignal f POWER fail:Signal f Code: power failure. Stays lit until the next measurement stars.Output Signal f Connect Rate:CLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in Connect Rate:SYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in frequency is too low. After the error is connect measurement starts.SYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in connect measurement starts.Buzzer Error:Sounds when there is a DATA error. Can be set to ON/OFF. Volume variableImage: Sounds when there is a battern sounds when there is a battern. | tor Output | |
| Goes out when error is no longer detected.Load in ConnectCLOCK error:Lights when the input clock fails or frequency is too low. Goes out when normal clock is input.Load in ConnectSYNC error:Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established.Load in ConnectHistory Display LampDirect of gower failure. Stays lit until the next measurement stars.Direct of Code: Output measurement stars.CLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in Connect Rete: Synchronization error.SYNC error:Lights when there is a pattern power failure. Stays lit until the next measurement starts.Load in Connect Rete: Connect Display LampPOWER fail:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in frequency is too low. After the error is Load in recovered, lights until the next measurement starts.Level:SYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in connect measurement starts.Buzzer Error:Sounds when there is a DATA error. Can be set to ON/OFF. Volume variableLoad single | • | Outputs data input through amplifier |
| detected.ConnectCLOCK error:Lights when the input clock fails or frequency is too low. Goes out when normal clock is input.Load inSYNC error:Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established.Load inHistory Display LampDirect of Goes out when pattern synchronization is established.Direct of Rate: Signal fPOWER fail:Lights after power is restored after a power failure. Stays lit until the next measurement stars.Output Stretche Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in Connect Rate: Stretche Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in Connect Rate: Stretche Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in Connect Connect Rate: Stretche Load in Stretche Load in recovered, lights until the next measurement starts.Load in Connect Connect Rate: Stretche Load in Connect Rate: Stretche Rate:< | | 50Ω to 0 V |
| frequency is too low. Goes out when normal clock is input. SYNC error: Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established. History Display Lamp POWER fail: Lights after power is restored after a power failure. Stays lit until the next measurement stars. CLOCK error: Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts. SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | | 2.92 mm (plug) |
| SYNC error:Goes out when normal clock is input. Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established.Load im Connect Error CHistory Display LampEights after power is restored after a power failure. Stays lit until the next measurement stars.Direct or Rate: Signal fCLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load im Connect Rate: Synchronization error.SYNC error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load im Connect Load in frequency is too low. After the error is connect measurement starts.SYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load im connect measurement starts.Buzzer Error:Sounds when there is a DATA error. Can be set to ON/OFF. Volume variableIoad in connect | | Outputs clock input through amplifier |
| SYNC error:Lights when there is a pattern synchronization error. Goes out when pattern synchronization is established.Connect Error CHistory Display LampLights after power is restored after a power failure. Stays lit until the next measurement stars.Direct or Rate: Signal fCLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in Connect Rate: Synchronization error. After the error is recovered, lights until the next measurement starts.Load in Connect Connect Connect Connect Connect Connect Connect measurement starts.SYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Lights when there is a pattern synchronization error. After the error is Load in recovered, lights until the next measurement starts.Buzzer Error:Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | | and variable delay line |
| synchronization error. Goes out when pattern synchronization is established. History Display Lamp POWER fail: Lights after power is restored after a power failure. Stays lit until the next measurement stars. CLOCK error: Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts. SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | 1 | 50 Ω to 0 V |
| Goes out when pattern synchronization is established.Direct of Rate:History Display LampLights after power is restored after a power failure. Stays lit until the next measurement stars.Code: Output measurement stars.CLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in frequency is too low. After the error is connect measurement starts.SYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Level:SYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts.Load in connect measurement starts.Buzzer Error:Sounds when there is a DATA error. Can be set to ON/OFF. Volume variableLights until ble | | 2.92 mm (plug) |
| established. Rate: Signal f POWER fail: Lights after power is restored after a power failure. Stays lit until the next measurement stars. CLOCK error: Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts. SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | Output | |
| History Display LampSignal fPOWER fail:Lights after power is restored after a power failure. Stays lit until the next measurement stars.Output OutputCLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the nextLoad in Stretche Measurement starts.SYNC error:Lights when there is a pattern synchronization error. After the error is recovered, lights until the nextLoad in Connect Measurement starts.SYNC error:Lights when there is a pattern measurement starts.Pulse w Load in Connect Measurement starts.Buzzer Error:Sounds when there is a DATA error. Can be set to ON/OFF. Volume variableAfter fully | • | |
| POWER fail: Lights after power is restored after a power failure. Stays lit until the next measurement stars. Code: CLOCK error: Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts. Load in frequency is too low. After the error is connect measurement starts. SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. Level: SYNC error: Lights when there is a pattern measurement starts. Pulse we connect measurement starts. Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | | 1/32 of clock input |
| ower failure. Stays lit until the next measurement stars.OutputCLOCK error:Lights when the input clock fails or frequency is too low. After the error is recovered, lights until the next measurement starts.Load in Connect recovered, lights until the next stretche measurement starts.Load in too low. After the error is too low. After the error is too low. After the error is terche tercheLoad in too low. After the error is terche too low. After the error is terche tercheLoad in | | 32 phase logical sum |
| measurement stars. Load in CLOCK error: Lights when the input clock fails or Load in frequency is too low. After the error is Connec recovered, lights until the next Stretche measurement starts. Level: SYNC error: Lights when there is a pattern Pulse w synchronization error. After the error is recovered, lights until the next Load in recovered, lights until the next Market and | | RZ HIGH level -0.0 ± 0.3 V |
| CLOCK error: Lights when the input clock fails or frequency is too low. After the error is connect recovered, lights until the next Stretche measurement starts. Level: SYNC error: Lights when there is a pattern Pulse w synchronization error. After the error is Load in recovered, lights until the next Connect measurement starts. Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | | LOW level -1.0 \pm 0.3 V |
| frequency is too low. After the error is Connect recovered, lights until the next Stretche measurement starts. Level: SYNC error: Lights when there is a pattern Pulse w synchronization error. After the error is Load in recovered, lights until the next Connect measurement starts. Load in recovered, lights until the next Connect measurement starts. Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable Volume variable | | 50Ω to 0 V |
| recovered, lights until the next measurement starts. Level: SYNC error: Lights when there is a pattern Pulse w synchronization error. After the error is Load in recovered, lights until the next Connect measurement starts. Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | - | SMA (jack) |
| measurement starts. Level: SYNC error: Lights when there is a pattern synchronization error. After the error is recovered, lights until the next measurement starts. Pulse w Buzzer Connect measurement starts. Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | ned output | Sini (aon) |
| synchronization error. After the error is recovered, lights until the next measurement starts. Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | - | TTL positive pulse |
| Buzzer Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | | Approx. 100 ns |
| Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | mpedance: | 50 Ω to 0 V |
| Buzzer Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | ector: | BNC (jack) |
| Error: Sounds when there is a DATA error. Can be set to ON/OFF. Volume variable | | |
| be set to ON/OFF. Volume variable | | |
| | | |
| (same as alarm volume). | | |
| Alarm: Sounds when there is a CLOCK or | | |
| Sounds when there is a CLOCK of SYNC error. Can be set to ON/OFF. | | |
| Volume variable (same as error volume). | | |
| | | |

Control Input

External Gate Input Function: Input level: Input impedance: Connector: **External Alternate Input** Function

Input level: Input impedance: Connector:

Patterns

Same as for the D3186 Pulse Pattern Generator

Timer/Clock

| Timer/Clock Display | |
|---------------------|---|
| ELAPSED: | Displays the elapsed time since the star |
| | of measurement. |
| TIMED: | Displays the remaining time until the end of measurement. |
| PERIOD: | Displays or sets the measuring period |
| | from the start of measurement until the |
| INTERVAL: | Displays or sets the measuring cycle. |
| BURST TIME: | Displays or sets the measuring time per |
| | signal burst when the measuring time |
| | mode is BURST. |
| REAL TIME: | Displays or sets real time as |
| | year/month/day/hour or |
| | day/hour/minute/second. |
| Thus an Md a da | 5 |

Timer Mode SINGLE:

REPEAT:

UNTIMED:

Time Reference Clocks: Internal clock stability: External clock input: Connector:

System Functions Printer:

External printer interface: Standard specification: Connector: File Function:

Measurement results: **Remote Control** Interface: Master/Slave Function Function:

Connection method:

Controls measurement start/stop 0 V/-1 V Approx. 50 Ω to 0 V BNC (jack)

Switches between patterns A and B in alternate mode. Pattern A at HIGH level. pattern B at LOW level. 0 V/-1 V Approx. 50 Ω to 0 V BNC (jack)

When the set period of measurement has elapsed, the measurement is stopped. When the set period of measurement has elapsed, a new measurement is begun. The sequence is repeated until a command to stop is received. Measurement continues regardless of the set measuring period, until the command to stop is given. Internal, external, selected automatically 10 ppm/year 10 MHz, 1 Vp-p , AC coupled BNC (Jack)

Measurement results can be output to an external printer

Centronics specification 36 pin micro ribbon Same as for the D3186 Pulse Pattern Generator and possible to save measurement results MS-DOS® text format

GPIB (IEEE 488-1978)

When used together with the D3186 Pulse Pattern Generator, allows the pattern settings of the D3186 and D3286 to be interlocked. Connected by GPIB cable, through each GPIB connector

Panel Lock:

General Specifications

Numerical value display: Set conditions memory:

Operating temperature range:

Operating humidity range: Storage temperature range: Storage humidity range: Power:

Power consumption: Mass: External dimensions:

Standard Accessories

Green 7 segment LED display After power has been ON for 12 hours, retained at least 2 weeks (backed up by secondary battery) 0° C to $+40^{\circ}$ C +20°C to +30°C (Option 72) 40% to 85% RH -20°C to +60°C 30% to 85% RH (without condensation) AC 100 V to 120 V, AC 220 V to 240 V (switches automatically) 48 to 63 Hz, sine wave 500 VA max. 32 kg max. Approx. 266 (H)×424 (W)×

Can lock all condition settings except

settings, and buzzer volume level.

power ON/OFF, panel lock ON/OFF,

GPIB Local return, rear panel DIP switch

550 (D) mm

Name Туре Stock No. Quantity Remarks Power Cable A01402 DCB-DD2428X01 1 SMA-SMA Cable DGM224-00700A DCB-FF1211X01 3 GPIB Cable 408JE - 101 DCB-SS1076X02 1 3 Pin - 2 Pin Converter A09034 JCD - AL003EX03 1 Adapter For Power Plug 2.92 mm Adapter 02K121-K00S3 JCF-BJ001EX05 4 JD3286 Japanese User's Manual 1 ED3286 English

Please be sure to read the manual of product thoroughly before using the products. Specifications may change without notification.

