HIOKI

distrame
instruments de mesures électroniques

Related Products

Generator units for expanding the practical applications of the Memory HiCorder.
Use in various combinations with measurement units for performing tests.

Waveform Generator Unit MR8790 NEW

General specifications

Accuracy guaranteed for: 1 year Post-adjustment accuracy guaranteed for 1 year

Number of output channels	4ch/unit (isolated between unit and output, and between all channels)
Self-test function	Included (voltage/current monitor)
Voltage/current monitor mode (selectable)	Resolution: 5 µA (current monitor), 10 mV (voltage monitor) Monitor accuracy: ±3.0 % f.s. (f.s.=10 V: voltage monitor, f.s.=5 mA: current monitor)
Max. output current	±5 mA
Allowable load resistance	2 kΩ or more
Output terminal	SMB terminal
Output configuration	Waveform output, open, shorted
Output relay Switch time	5 ms or less
Output protection	Limited to 40 mA output current (when an output short-circuit occurs)
Maximum rated voltage to ground	33 V AC rms or 70 V DC (Between each output channel and the main unit, and between the output channels) Expected transient overvoltage: 330 V
Dielectric withstand voltage	350 V AC (sensed current: 1 mA) (Between each output channel and the main unit, and between the output channels)
Standard compliance	Safety: EN61010 EMC: EN61326
Operating temperature and humidity range	According to the Memory HiCorder installed with the MR8790
Operating environment	According to the Memory HiCorder installed with the MR8790
Storage temperature and humidity	-20°C to 50°C (-4°F to 122°F), and 90% rh or less (no condensation)
External dimensions	Approx. 106 mm (4.17 in) W × 19.8 mm (0.78 in) H × 196.5 mm (7.74 in) D (not including protrusions)
Weight	Approx. 230 g (8.1 oz)

Voltage output specifications

Maximum output voltage	±10 V
Resolution	16bit
Output frequency	Setting range: DC, 0 Hz to 20 kHz (sine wave)
	Setting resolution: 1 Hz
	Frequency accuracy: ±0.01% of setting
Amplitude	Setting range: 0 V to 20 V p-p Setting resolution: 1 mV Amplitude accuracy: ±0.25% of setting ±2 mV p-p (1 Hz to 10 kHz) ±0.6% of setting ±2 mV p-p (more than 10 kHz to 20 kHz)
DC offset	Setting range: -10 V to 10 V Sum of amplitude and DC offset is limited to a peak value of ±10 V. Setting resolution: 1 mV Offset accuracy: ±3 mV
DC output	Output accuracy: ±0.6 mV

The operation manual is included in the "Application Disk", bundled with the Memory HiCorder.

Waveform Generator Unit MR8790

Sine wave (20 kHz max.) and DC voltage output

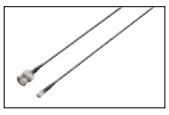
Output configuration of 4 channels per unit.
High-precision DC output with an output accuracy of ±0.6 mV allows output that simulates voltage fluctuations for minute sensor output.

Options

CONNECTION CABLE L9795-01

Maximum rated voltage to ground:
33 V AC rms or 70 V DC
SMB terminal - alligator clip
Cord length: 1.5 m (4.92 ft)

CONNECTION CABLE L9795-02



Maximum rated voltage to ground:
33 V AC rms or 70 V DC
SMB terminal - BNC terminal
Cord length: 1.5 m (4.92 ft)

Pulse Generator Unit MR8791 NEW

General specifications

Accuracy guaranteed for 1 year

Number of output channels	8ch/unit (isolated between unit and output) (Not isolated between each channel (common ground)) (Output connector frame not isolated (main unit grounded))	
Output mode 1	Pattern output/Pulse output (common 8-channel switching)	
Output mode 2	Logic output/Open collector output (Can be set for each of the 8 channels)	
	Logic output	Output voltage level: 0 V - 5 V (H level: 3.8 V or more, L level: 0.8 V or less) Rated current: ±5 mA
	Open collector output	Absolute maximum rated voltage for collector/emitter: 50 V Overcurrent protection: 100 mA
Output mode 3	Output/Open (= self diagnostic) (common 8-channel switching)	
Open collector output regulation (startup time (10% - 90%))	5 µs (max.) (Load capacity: 1000 pF, Pull-up resistance: 1 kΩ)	
Self-test function	Detected voltage: H level: 3.4 V or more, L level: 1.6 V or less	
Relay switch time	5 ms or less (Logic/Open collector switch, Output/Open (self-diagnostic) switch)	
Maximum rated voltage to ground	33 V AC rms or 70 V DC (between each output channel and the main unit) Expected transient overvoltage: 330 V	
Dielectric withstand voltage	350 V AC (sensed current: 1 mA) (Between each output channel and the main unit, and between the output units)	
Standard compliance	Safety: EN61010 EMC: EN61326	
Operating temperature and humidity range	According to the Memory HiCorder installed with the MR8791	
Operating environment	According to the Memory HiCorder installed with the MR8791	
Storage temperature and humidity	-20°C to 50°C (-4°F to 122°F), and 90% rh or less (no condensation)	
External dimensions	Approx. 106 mm (4.17 in) W × 19.8 mm (0.78 in) H × 196.5 mm (7.74 in) D (not including protrusions)	
Weight	Approx. 230 g (8.1 oz)	

Pulse output specifications

Output frequency	Setting range: 0 Hz to 20 kHz (Can be set for each of the 8 channels) Setting resolution: 0.1 Hz Frequency accuracy: Refer to the time axis accuracy of the Memory HiCorder in which the MR8791 is installed.
Duty	Setting range: 0.1% to 99.9%, 0, 100% (DC)
	Setting resolution: 0.1%
	Duty accuracy: Refer to the time axis accuracy of the Memory HiCorder in which the MR8791 is installed.
Min. pulse width	1 µs

Pattern output specifications

Clock frequency	Range: 0 Hz to 120 kHz (common to 8 channels) Setting resolution: 10 Hz Frequency accuracy: Refer to the time axis accuracy of the Memory HiCorder in which the MR8791 is installed.
Memory (pattern)	2048 word (16384 bit=2048 word×8 bit/word)

The operation manual is included in the "Application Disk", bundled with the Memory HiCorder.

Pulse Generator Unit MR8791

Pulse output/Pattern output,
Logic/Open collector output

Output configuration of 8 channels per unit.
You can select pulse output or edited pattern output (common switching for all channels). Furthermore, you can set the output format to TTL level logic output and open collector output. (Settable for individual channels)

DISTRAME SA
Parc du Grand Troyes -Quartier Europe Centrale 40 rue de Vienne -10300 SAINTE SAVINE
Tél.: +33 (0)3 25 71 25 83 -Fax: +33 (0)3 25 71 60 29 e-mail: infos@distrame.fr - www.distrame.fr