

Waveform Generator System

Solutions Catalog

Arbitrary Waveform Generator Unit U8793 and Memory HiCorder Combining Generator and Memory Functions

Memory HiCorders make testing and experimentation convenient.

Combine generating and recording functions



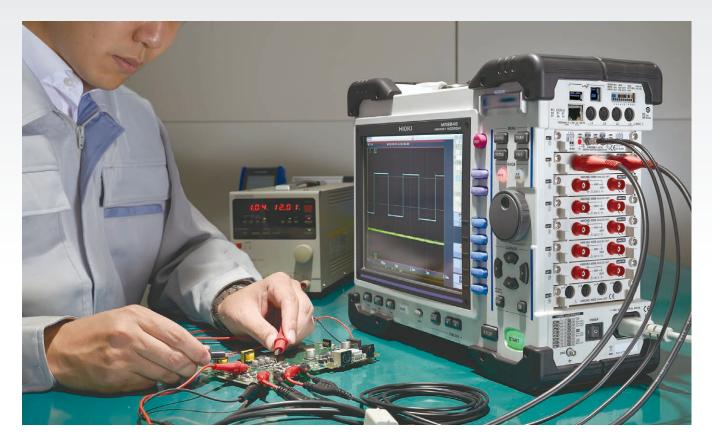
10 mHz to 100 kHz

Output Frequency Range (Function Generator Mode)

2 MHz Max. D/A refresh rate (Arbitrary Waveform Mode)

Generate and record at the same time with the same instrument

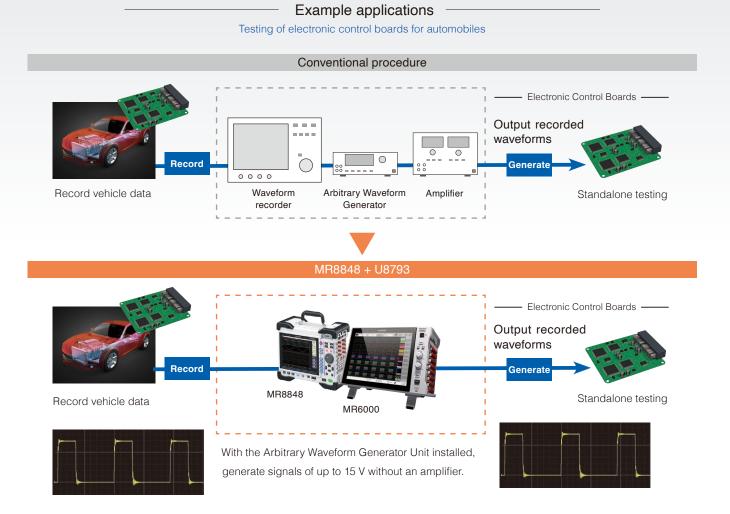
Combining a Memory HiCorder and the Arbitrary Waveform Generator Unit U8793 gives you a function generator mode, arbitrary waveform generator mode, and waveform measurement mode in a single unit. This makes it easy to observe waveforms while varying test conditions, such as changing the signal's amplitude and frequency as well as programming various waveforms to output in order.



Example applications Observe waveforms while varying the output conditions to a circuit board Conventional procedure Voltage inputs only - Circuit Boards -. . . . Generate Record 00 \bigcirc 0000 Arbitrary Waveform Waveform recorder Generator MR8848 + U8793 Arbitrary Waveform Generator Unit U8793 installed Circuit Boards -Generate Record MR8848 MR6000

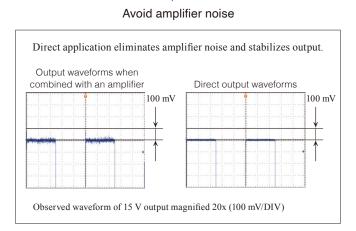
Output recorded waveforms without modification

The combination of a a Memory HiCorder and the Arbitrary Waveform Generator Unit U8793 lets you output actual waveforms captured from a test vehicle without modification for later use in standalone testing. What's more, the U8793 can generate isolated output of up to 15 V without a generator or amplifier, as well as meet traditional requirements for generating output while varying the signal's amplitude and frequency.



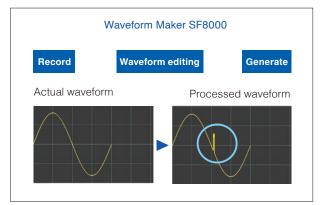
15V Max. output range

Without connecting an amplifier externally, you can directly apply a signal simulating output from automobile sensors.



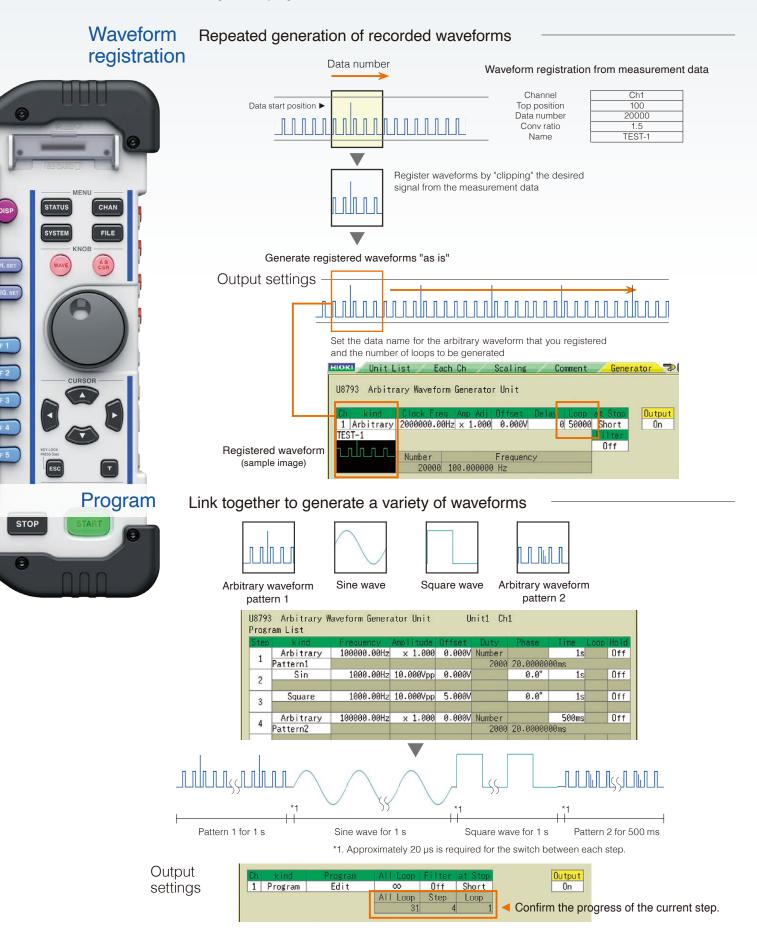
Process actual waveforms for reproducibility testing

Use the Waveform Maker SF8000 to reproduce signals recorded with the Memory HiCorder and perform calculations and processing to create and output an arbitrary waveform.



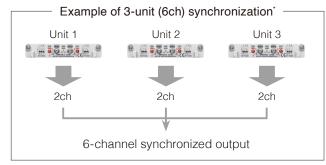
Easy settings to improve efficiency

Efficient generation of recorded measurement data is important. Registering waveforms on the Memory HiCorder makes it easy to configure the generator output. You can also use program settings on the Memory HiCorder to output a variety of patterns.



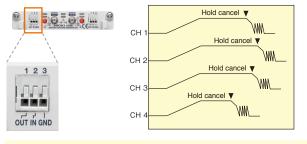
Synchronize output or independently control across all channels

Create phase settings between channels in the same unit and between different units.



*The maximum number of channels varies according to the Memory HiCorder.

If the sequence loop has a hold setting, you can release the hold with an external input signal. There are independent control terminals for each channel, allowing you to control each channel at an output timing with arbitrary time lags.



The MR8790 Waveform Generator Unit and the MR8791 Pulse Generator Unit do not have phase control or synchronize control modes.

Max. 54 channel generation/isolated output



Modulization of waveform generation capabilities allows output from 2 channels up to a maximum of 54 channels.*

You can expand channels without connecting cables between devices.

*The maximum number of channels varies according to the Memory HiCorder.

Isolation between the Memory HiCorder and each output channel and between the channels enables connections with devices that have different potentials.

Multi-channel output Memory HiCorder

Please refer to the catalog for each Memory HiCorder model for detailed specifications.



Waveform Maker SF8000 The Memory HiCorder by itself cannot create arbitrary waveforms. Use the Waveform Maker SF8000.

Installing the bundled Waveform Maker SF8000 on your computer lets you enter waveforms or enter functions to easily create

waveforms. You can also process actual waveforms to quickly add noise and multiply waveforms.

* This software (including the Instruction Manual in PDF) is on the Application Disk included with the Memory HiCorder.

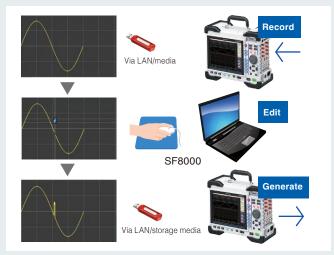
Waveform creation

| Waveform input | Input from file: Memory HiCorder MR6000, MR8848, MR8827, |
|-------------------|--|
| | MR8740T, MR8740, MR8741, MR8847A, MR8847, and 8847 |
| | CSV (format for Memory HiCorder and this application) |
| | Input with basic waveform: sine wave, pulse wave, triangular |
| | wave, ramp wave, SIN (X)/X wave, EXP wave, noise, DC |
| | Input with drawing tool: free curve, straight line |
| Function input | 14 function types: ABS (absolute value), SIN (sine), COS (cosine), |
| | DIFF (differential), INTG (integration), CINT (integer), |
| | EXT (index), LOG (natural logarithm), NRND (random number), |
| | SQUR (square root), RMPD (ramp down), RMPU (ramp up), TRI |
| | (triangular wave), INV (inverted) |
| | 7 control words: AREA, END, FOR, NEXT, PERIOD, PI, STEP, |
| | T, TO, V |
| Step input | Set and input a waveform for each step. |
| | Select basic waveform: sine wave, square wave, triangular wave, |
| | ramp wave, noise, DC |
| Readable | Waveform creation software: SF8000 (FGW) |
| file formats | Memory HiCorder: MR6000, MR8848, MR8827, MR8740T, |
| | MR8740, MR8741, MR8847A, MR8847, and 8847 (MEM) |
| Edit entered | Cut, copy, paste, clear |
| waveforms | |
| Calculate entered | Add, subtract, multiply, normalize, change size, absolute value, |
| waveforms | invert, mirror |
| Waveform display | Enlarge, reduce, scroll, TIME/DIV display, V/DIV display, Point |
| | display (time axis, voltage axis), % display (voltage axis) |
| | |

Pulse pattern creation

| Input | Use editor to input, and select range | |
|-------------------|---|--|
| | and edit, including copy, paste, and delete | |
| Readable file | SF8000 (PLS), CSV | |
| formats | | |
| Save file formats | SF8000 (PLS), CSV | |

Process actual waveforms



Operating environment

| OS | Windows7 (32bit/64bit)/Windows8.1 (32bit/64bit) |
|-----------------|--|
| Memory capacity | 1GB RAM or more (32bit), 2GB RAM or more (64bit) |
| Hard disk | 10 MB or more free space |

Interface

| Interface | LAN | | |
|---------------------|---|--|--|
| Arbitrary waveforms | Select a Unit No. and Channel No. for the Memory HiCorder to | | |
| | transfer arbitrary waveform data. | | |
| Pulse patterns | Select a Unit No. and pattern for the Memory HiCorder to transfer data. | | |

Applications

Automobile and railroad (transport equipment) testing

Use actual waveforms to test control boards for for engine control, airbags, brake systems, power steering, active suspension, and more.

Make efficient use of actual waveforms obtained from the vehicle when using a Memory HiCorder.

Record actual waveforms

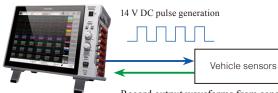


such as torque, rotational speed, pressure, and acceleration

Vehicle sensor inspection

Inspect sensors in automobiles.

Use the Memory HiCorder and arbitrary waveform generator unit to generate pulse signals to input to sensors, and then record the signals that those sensors output in return. You can even set the generation voltage to 14 V to simulate a car battery



Record output waveforms from sensors

Vibration reproducibility testing

Use vibration waveforms recorded in the field with the Memory HiCorder for vibration testing. Efficient reproduction testing at the press of a button.

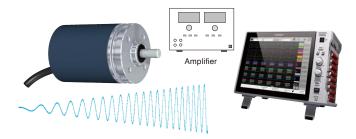


Vibration testing equipment



Inverter motor performance test

Create and evaluate VVVF control evaluations and PWM waveforms for inverter motors, air conditioning, lighting equipment, power supplies, and more.

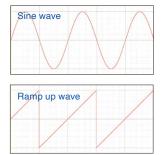


Power steering endurance test

Create power steering operation signals for each pattern. Endurance testing has never been conducted so efficiently.

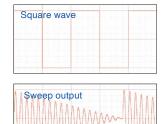


Output waveforms (examples)

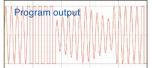




Ramp down wave



| Puls | e wav | /e (v | ariat | ole du | ty) | |
|------|-------|-------|-------|--------|-----|--|
| | | | | | | |
| | | - | | | | |
| | | | | | | |
| | | | | | | |



Arbitrary Waveform Generator Unit U8793

Specifications Accuracy guaranteed for 1 year

Common specifications

| Accuracy guarantee conditions | Temperature and humidity at which accuracy is guaranteed: $23^oC\pm 5^oC$ (73°F $\pm 9^oF)$ and 80% rh or less | |
|---------------------------------|---|--|
| | Warm-up time: 30 minutes or more | |
| | Power supply frequency for Memory HiCorder connected to U8793: 50 Hz/60 Hz ± 2 Hz | |
| Number of output channels | 2 channels per unit | |
| Output terminal | SMB terminal | |
| Output type | Unbalanced output (floating) | |
| Maximum rated voltage to ground | 33 V AC rms or 70 V DC (Between each output channel and the main unit, between the channels and external I/O terminals, and between the output channels) | |
| | Expected transient overvoltage: 330 V | |
| Maximum output voltage | -10 V to 15 V | |
| Amplitude setting range | 0 V to 20 V p-p (setting resolution: 1 mV) | |
| DC offset setting range | -10 V to 15 V (setting resolution: 1 mV) | |
| Output impedance | 1 Ω or less | |
| Max. output current | ±10 mA (per channel) | |
| Allowable load resistance | 1.5 kΩ or more | |
| Output type | Waveform output, open, shorted | |
| | | |

FG functional specifications

| · · · | |
|--|---|
| Output waveforms | Sine wave, square wave, pulse wave(duty ratio variable), triangular wave, ramp wave, DC |
| Output frequency range | 10 mHz to 100 kHz (setting resolution: 10 mHz) |
| Output frequency accuracy | $\pm 0.015\%$ of setting |
| DC output accuracy | \pm 0.05% of setting \pm 10 mV |
| DC output temperature characteristics | (± 0.005% of setting ± 1 mV)/°C |
| Amplitude accuracy | \pm 0.5% of setting \pm 10 mVp-p (10 mHz to 10 kHz) |
| | \pm 0.8% of setting \pm 10 mVp-p (more than 10 kHz to 50 kHz) |
| | \pm 1.0% of setting \pm 10 mVp-p (more than 50 kHz to 100 kHz) |
| Amplitude temperature characteristics | (± 0.05% of setting ± 1 mVp-p)/°C |
| DC offset accuracy | \pm 0.5% of setting \pm 10 mV |
| DC offset temperature characteristics | (± 0.05% of setting \pm 1 mV)/°C |
| Phase difference setting range | -360° to 360° (setting resolution: 0.1°) |
| Jitter | Within 50 ns p-p (square wave, pulse wave, triangular wave, ramp wave) |
| Pulse wave duty setting range | 0.1% to 99.9% (setting resolution: 0.1%) |
| | Enabled for a pulse width of 500 ns or more |
| Pulse wave duty accuracy | Period ±0.1% (10 mHz to 5 kHz) |
| | Period $\pm 0.5\%$ (more than 5 kHz to 20 kHz) |
| | Period ±1.0% (more than 20 kHz to 100 kHz) |

Arbitrary waveform generation specifications

| Output waveforms | Waveforms measured with Memory HiCorder MR6000, MR8848, MR8827, MR8740T, MR8740, MR8741, MR8847A, MR8847, and 8847 |
|--------------------------|--|
| | Waveforms created with Waveform Maker SF8000 |
| | Waveforms saved with Waveform Generator 7075*1 |
| | Waveforms measured with Power Quality Analyzer PW3198*1 |
| | Waveforms created as CSV-format files*1 |
| | *Logic waveforms are not supported. |
| Voltage axis resolution | 16 bits |
| Waveform memory capacity | 256 kW/ch. × 8 blocks |
| Low-pass filter | 2-stage LPF, 50 Hz to 1 MHz (14 steps in 1-2-5 progression) |
| D/A refresh rate | Max. 2 MHz (setting resolution: 10 mHz) |
| Clock frequency accuracy | ±150 ppm (Clock frequency jitter: within 50 ns p-p) |
| Delay | -250.000 to 250.000 (Setting is possible in units of 1 data point.) |
| Number of loops | 1 to 50000 times, or ∞ |
| | |

*1.Prior conversion using the Waveform Maker SF8000 application software is required.

Model : ARBITRARY WAVEFORM GENERATOR UNIT U8793

Model No. (Order Code) (Note) (For the MR8848 or other)

U8793

Options



CONNECTION CABLE L9795-01 Maximum rated voltage to ground: $30~\mathrm{V}$ AC rms or $60~\mathrm{V}$ DC SMB terminal - alligator clip Cord length: 1.5 m (4.92 ft.)



CONNECTION CABLE L9795-02 Maximum rated voltage to ground: 30~V~AC~rms or 60~V~DCSMB terminal - BNC terminal Cord length: 1.5 m (4.92 ft.)



Sweep function specifications

| Sweep waveforms | Non-DC function generation waveforms and arbitrary waveforms | |
|--|---|--|
| Sweep form | Linear | |
| Sweep targets | FG waveforms: Frequency, amplitude, offset, duty (pulse waves only) (Frequency, amplitude, and offset can be swept at the same time.) | |
| | Arbitrary waveforms: Clock frequency, amplitude, offset (Clock frequency, amplitude, and offset can be swept at the same time.) | |
| Sweep time setting range | 10 µs to 1000 s (setting resolution: 10 µs) | |
| Program specifications | - | |
| Sequence length | Max. 128 steps linked for output | |
| Step control | FG waveforms, sweep waveforms, and arbitrary waveforms can be set for each step. | |
| | Number of loops (sweep waveforms) and output time (FG waveforms, arbitrary waveforms) can be set for each step. | |
| Hold settings | On/Off can be set for each step. | |
| Output time setting range | 10 µs to 1000 s (FG waveform, arbitrary waveform) | |
| Number of step loops setting range | 1 to 1000 times (sweep waveform) | |
| Number of total loops setting range | 1 to 50000 times, or ∞ | |
| Monitor functions | Display step number, number of step loops, and total number of | |
| | loops while the program is running. | |
| Other specifications | loops while the program is running. | |
| Other specifications | loops while the program is running. | |
| • | | |
| Channel synchronization | Set phase between unit channels or between units | |
| Channel synchronization | Set phase between unit channels or between units Monitor output voltage values | |
| Channel synchronization | Set phase between unit channels or between units Monitor output voltage values Monitor resolution: 10 mV Monitor accuracy: ±3.0% f.s. (F.s.=15 V) | |
| Self-test function | Set phase between unit channels or between units Monitor output voltage values Monitor resolution: 10 mV Monitor accuracy: ±3.0% f.s. (F.s.=15 V) Key operation of Memory HiCorder and signals to external contro terminal | |
| Channel synchronization Self-test function Output start/stop | Set phase between unit channels or between units Monitor output voltage values Monitor resolution: 10 mV Monitor accuracy: ±3.0% f.s. (F.s.=15 V) Key operation of Memory HiCorder and signals to external contro terminal When using program functions, use an external low-level signa | |
| Channel synchronization Self-test function Output start/stop | Set phase between unit channels or between units Monitor output voltage values Monitor resolution: 10 mV Monitor accuracy: ±3.0% f.s. (F.s.=15 V) Key operation of Memory HiCorder and signals to external contro terminal When using program functions, use an external low-level signa input to release the hold and move to the next step. Control voltage level: 3.5 V to 5.0 V (HIGH level), 0 V to 0.8 V | |
| Channel synchronization Self-test function Output start/stop | Set phase between unit channels or between units Monitor output voltage values Monitor resolution: 10 mV Monitor accuracy: ±3.0% f.s. (F.s.=15 V) Key operation of Memory HiCorder and signals to external contro terminal When using program functions, use an external low-level signa input to release the hold and move to the next step. Control voltage level: 3.5 V to 5.0 V (HIGH level), 0 V to 0.8 V (LOW level) | |
| Channel synchronization Self-test function Output start/stop External input | Set phase between unit channels or between units Monitor output voltage values Monitor resolution: 10 mV Monitor accuracy: ±3.0% f.s. (F.s.=15 V) Key operation of Memory HiCorder and signals to external contro terminal When using program functions, use an external low-level signa input to release the hold and move to the next step. Control voltage level: 3.5 V to 5.0 V (HIGH level), 0 V to 0.8 V (LOW level) Response pulse width: 100 µs or more (LOW level) | |
| Channel synchronization Self-test function Output start/stop External input | Set phase between unit channels or between units Monitor output voltage values Monitor resolution: 10 mV Monitor accuracy: ±3.0% f.s. (F.s.=15 V) Key operation of Memory HiCorder and signals to external contro terminal When using program functions, use an external low-level signa input to release the hold and move to the next step. Control voltage level: 3.5 V to 5.0 V (HIGH level), 0 V to 0.8 V (LOW level) Response pulse width: 100 µs or more (LOW level) Output when waveform is output Output format: Open drain output (active low, with 5V voltage | |
| Channel synchronization Self-test function Output start/stop External input | Set phase between unit channels or between units Monitor output voltage values Monitor resolution: 10 mV Monitor accuracy: ±3.0% f.s. (F.s.=15 V) Key operation of Memory HiCorder and signals to external contro terminal When using program functions, use an external low-level signa input to release the hold and move to the next step. Control voltage level: 3.5 V to 5.0 V (HIGH level), 0 V to 0.8 V (LOW level) Response pulse width: 100 µs or more (LOW level) Output when waveform is output Output format: Open drain output (active low, with 5V voltage output) Output voltage level: 4.0 V to 5.0 V (HIGH level) 0 V to 0.5 V | |

General specifications

| Operating temperature and humidity range | According to the Memory HiCorder installed with the U8793 |
|---|---|
| Operating environment | According to the Memory HiCorder installed with the U8793 |
| Storage temperature and humidity | Temperature: -20°C to 50°C (-4°F to 122°F), Humidity: 80% rh or less (no condensation) |
| Standard compliance | Safety: EN61010 |
| | EMC: EN61326 |
| Dielectric withstand voltage | 350 V AC (sensed current: 1 mA) |
| | (Between each output channel and the main unit, between the channels and external I/O terminals, and between the output channels) |
| Dimensions and mass | Approx. 106 mm (4.17 in.) W × 19.8 mm (0.78 in.) H × 196.5 mm (7.74 in.) D, approx. 250 g (8.8 oz.) |

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

Set example (Generation: 8ch, Input: 8ch)

| MEMORY HICORDER | R MR8848 | 1 unit |
|---|--|----------------|
| ARBITRARY WAVEF | FORM U8793 | 4 |
| GENERATOR UNIT | | |
| ANALOG UNIT | 8966 | 4 |
| CONNECTION CABL | .E L9795-01 | 8 |
| CONNECTION CORE | D L9198 | 8 |
| MR8848 specific Number of input units | - | |
| | | 16 logic chan |
| | 8 analog units 16 analog channels + | 16 logic chann |
| Number of input units | 8 analog units 16 analog channels + | 16 logic chan |
| Number of input units Maximum sampling r | 8 analog units 16 analog channels + 20MS/sec | |



| No. of channels | 2ch, voltage input |
|-------------------|-----------------------------|
| Measurement range | 5 mV to 20 V/div, 12 ranges |
| | Full scale: 20 div |

Generator units for expanding the practical applications of the Memory HiCorder. Use in various combinations with measurement units for performing tests. *Cannot be used with Memory HiCorder MR6000

Waveform Generator Unit MR8790

General specifications 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 | Resolution: 5 µA (current monitor), 10 mV (voltage monitor) | |
| mode (selectable) | Monitor accuracy: ±3.0 % f.s. (f.s.=10 V: voltage monitor, f.s.=5 mA: current monitor) | |
| | (i.s10 v. voltage monitor, i.s5 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 | 5 ms or less | |
| Switch time | | |
| Output protection | Limited to 40 mA output current (when an output short-circuit occurs) | |
| Maximum rated voltage to ground | 30 V AC rms or 60 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 | According to the Memory HiCorder installed with the MR8790 | |
| humidity range | | |
| 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, 1 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.

Model : WAVEFORM GENERATOR UNIT MR8790

Model No. (Order Code) (Note) MR8790 (For the

(For the MR8848 or other)



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: 30 V AC rms or 60 V DC SMB terminal - alligator clip Cord length: 1.5 m (4.92 ft.)

CONNECTION CABLE L9795-02 Maximum rated voltage to ground: 30 V AC rms or 60 V DC SMB terminal - BNC terminal Cord length: 1.5 m (4.92 ft.)



Pulse Generator Unit MR8791

| 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 collect | or switch, Output/Open (self-diagnostic) switch) | |
| Maximum rated voltage to ground | 30 V AC rms or 60 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 \times 19.8 mm (0.78 in.) H \times 196.5 mm (7.74 in.) D (not including protrusions) | | |
| Weight | Approx. 230 g (8.1 oz.) | | |

Pulse output specifications

| Output frequency | Setting range: 0.1 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: 10 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.

Model : PULSE GENERATOR UNIT MR8791

Model No. (Order Code) (Note)

MR8791 (For the MR8848 or other)



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)

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