



ANALOG UNIT MR8905

For Memory HiCorder MR8875

Recorders



NEW



1000 V Input in a Multi-channel Logger



Input cords are not included. Please purchase two L4940 Connection Cable Sets and two L4940 Alligator Clip Sets.

■ Introducing a high-voltage analog unit designed to expand the measurement range of your MR8875

Simply plug the MR8905 into the MR8875 Memory HiCorder to accommodate a broader range of applications requiring direct input in CAT III (600 V) and CAT II (1000 V) environments.

Measurement target	Optional input module	Measurement range	Resolution
Voltage	New! Analog Unit MR8905	10 V f.s. to 1000 V f.s. Observe instantaneous and RMS waveforms	400 μ V
	Analog Unit MR8901	100 mV f.s. to 200 V f.s.	4 μ V
Voltage	Voltage/Temp Unit MR8902	10 mV f.s. to 100 V f.s.	0.5 μ V
	Strain Unit MR8903	1 mV f.s. to 20 mV f.s.	0.04 μ V
Current	Analog Unit MR8901 + Clamp on current sensor	Depends on current sensor(s) in use * Certain current sensors require a separate power supply	1/1250 div
RMS AC voltage	Analog Unit MR8901 + Differential Probe 9322	100 V rms to 1 kV rms	1/1250 div
Temperature (Thermocouple)	Voltage/Temp Unit MR8902	200 °C f.s. to 2000 °C f.s. * Upper and lower limit values depend on the thermocouple in use	0.01 °C
Distortion, Stress	Strain Unit MR8903	400 μ e to 20,000 μ e f.s.	0.016 μ e
Analyze CAN signal	CAN Unit MR8904	2 ports /unit *Up to 15 ch each equivalent to a 16-bit analog signal *Up to 16 ch each equivalent to a 1-bit logic signal	n/a
Relay contacts, voltage on/off	Logic Probe 9320-01	Depends on logic probe(s) in use * Max. input 50 V, Threshold +1.4/ +2.5/ +4.0 V * Contact Short/ Open, non voltage	n/a
AC/DC voltage on/off	Logic Probe MR9321-01	Depends on logic probe(s) in use * Up to 250 V AC/DC, Detect live or not live	n/a



ISO 9001
JMI-0216



ISO 14001
JQA-E-90091



www.hioki.com

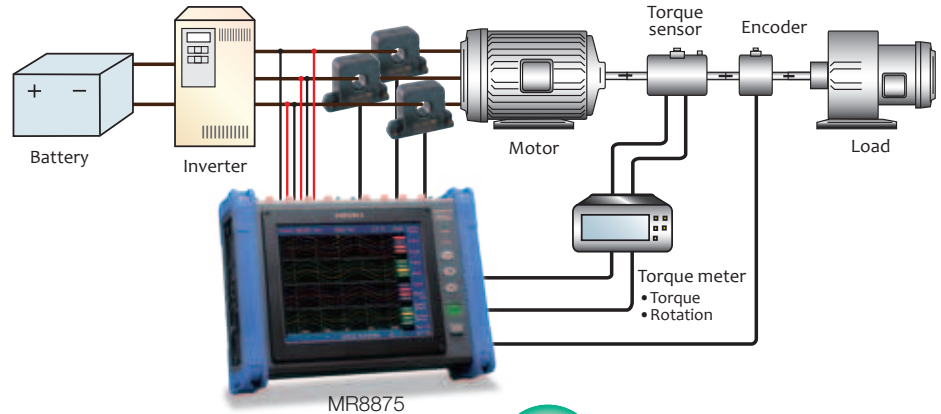
Hioki company overview, new products, environmental considerations and other information are available on our website.

Applications

Testing of ECUs and EV inverters and motors

Measure inverter output waveforms

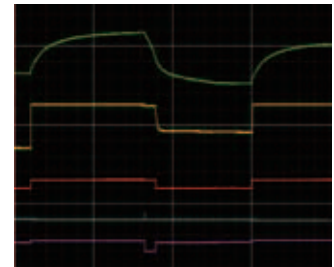
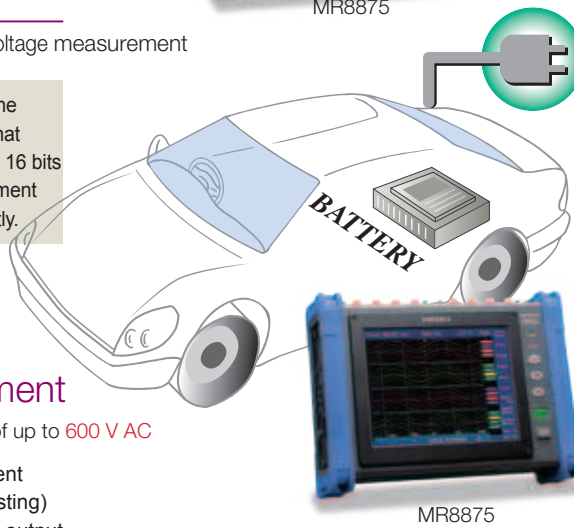
With the MR8905, the MR8875 can simultaneously measure three channels of analog high-voltage waveforms, three channels of analog low-voltage waveforms, and three channels of current (sensor output) waveforms.



Testing of EV batteries

Support for high-voltage/high-resolution voltage measurement

With the MR8905, the MR8875 can measure the voltage of individual battery cells—a process that requires high precision and high resolution—at 16 bits of resolution (1/1,250 of the range). The instrument can measure signals of up to 1000 V DC directly.

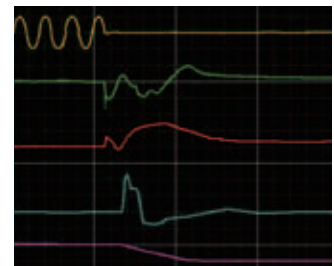


• Battery evaluation
(Example of control signal and charge/discharge time measurement)

Testing of power equipment

Support for RMS measurement of signals of up to 600 V AC

- Characteristics testing of power equipment (Load rejection testing, circuit breaker testing)
- Three-phase voltage/current and sensor output
- Measurement of circuit breaker on/off status



• Load rejection testing

- Multi-channel timing measurement with logic probes

The MR8875 ships standard with eight channels* of logic input that are independent of its analog inputs. This capability makes the instrument ideal for use in multichannel timing measurement.

*Up to two logic probes with four channels of input each can be connected.



Note: Company names and Product names appearing in this catalog are trademarks or registered trademarks of various companies.

HIOKI

HIOKI E. E. CORPORATION

HEADQUARTERS:

81 Koizumi, Ueda, Nagano, 386-1192, Japan
TEL +81-268-28-0562 FAX +81-268-28-0568
<http://www.hioki.com/> E-mail: os-com@hioki.co.jp

HIOKI USA CORPORATION:

TEL +1-609-409-9109 FAX +1-609-409-9108
<http://www.hiokiusa.com/> E-mail: hioki@hiokiusa.com

HIOKI (Shanghai) SALES & TRADING CO., LTD.:

TEL +86-21-63910090 FAX +86-21-63910360
<http://www.hioki.cn/> E-mail: info@hioki.com.cn

HIOKI INDIA PRIVATE LIMITED:

TEL +91-124-6590210 FAX +91-124-6460113
E-mail: hioki@hioki.in

HIOKI SINGAPORE PTE. LTD.:

TEL +65-6634-7677 FAX +65-6634-7477
E-mail: info-sg@hioki.com.sg

HIOKI KOREA CO., LTD.:

TEL +82-42-936-1281 FAX +82-42-936-1284
E-mail: info-kr@hioki.co.jp

DISTRIBUTED BY