

Accessories

CM105* Probe for Floating Voltage Input

Application	Checking relay coil voltage or the operational timing of voltage ON/OFF from the control panel unit
No. of inputs	4 channels (floating for each channel)
Input range	High, Low
Input resistance	High: approx. 100 kΩ Low: approx. 50 kΩ
Detectable voltages	High: 100 to 250 VAC, 80 to 250 VDC Low: 50 to 150 VAC, 20 to 150 VDC
Non-detectable voltages	High: 0 to 20 VAC, 0 to 29 VDC Low: 0 to 10 VAC, 0 to 15 VDC
Response times	High: within 1 ms, Low: within 3 ms
Maximum floating voltage	250 VDC, ACp-p

* Logic measurement amp required

Cables and cords

Name	Part number	Remarks
Set of 2 input cables	B-378	2-pin banana-plug cables, bare tips
Set of 4 input cables	B-336	2-pin banana-plug cables, bare tips
Set of 8 input cables	B-331	2-pin banana-plug cables, bare tips
Set of 16 input cables	B-335	2-pin banana-plug cables, bare tips
BNC-BNC cable	RIC-112	1.5 m, BNC plug-BNC plug required
BNC-banana clip cable	RIC-113	1.5 m
BNC-alligator clip cable	RIC-114	1.5 m
AC power cord	RSC-110	3-pin plugs with grounding conductor
DC power cord	RIC-140	2-m cord with round 10 pin connectors

Clamp adapters, meters, and probes

Name	Part number	Remarks
Clamp adapter	CM-102	Measures AC 0 to 1200 A
Digital clamp meter	CM-111	Measures AC/DC current (0 to 2000 A), AC/DC voltage (0 to 1000 V), resistance (0 to 4000 kΩ), frequency (10 to 4000 Hz), and temperature (-50 to +160°)
Temperature probe for clamp meter	RIC-110	-30 to +200°C; for use with CM-111
Line separator	CM-108	x1, x10; for use with CM-111
Logic IC cable	RIC-07	To connect RIC 08/09 with logic amp
Alligator-clip cable	RIC-08	For use with logic amp
IC-clip cable	RIC-09	For use with logic amp
Probe set	RIC-10	One each of RIC-07, -08, -09
Floating voltage input probe	CM-105	For use with logic amp
Voltage fluctuation probe	CM-106	For use with logic amp

CM106* Probe for Voltage Fluctuations

Application	Detecting of momentary voltage drops of industrial power lines and waveform recording of those drops
No. of inputs	1
Input resistance	10 kΩ
Input range	100 VAC/120 VAC
Frequency range	Both 50 Hz/60 Hz
Voltage fluctuation detection level	±10%/±20%
Trigger output	Ch 1: detected at +10%, +20% Ch 2: detected at -10%, -20%
Detection method	Full-wave rectification, peak value detection
Response times	Approx. 1 cycle of the input AC voltage
Max. allowable input voltage	160 V rms

* Logic measurement amp required

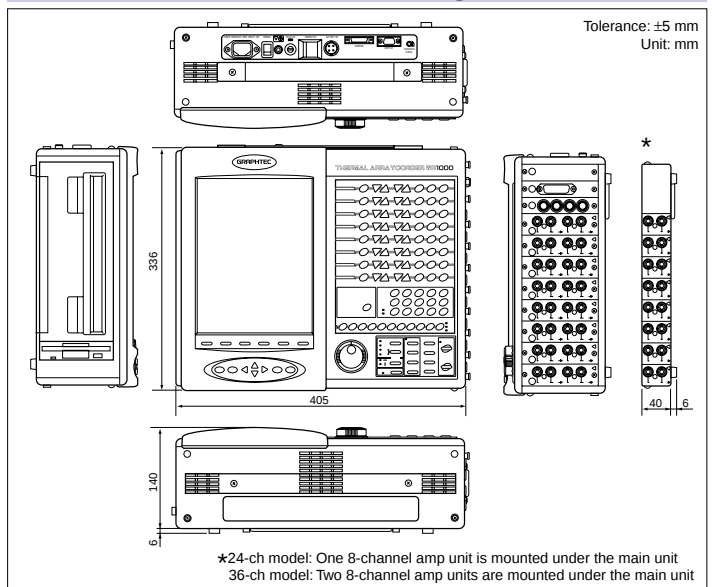
Other

Name	Part number	Remarks
Remote connector	RCN-114	16-pin connector jack
BNC conversion plugs	SMA101-4P	Banana to BNC, 4 per set
Safety BNC adapter	SMA-102	For use with high-voltage BNC to banana conversion adapter

Supplies

Name	Part number	Minimum sales unit	Remarks
Thermal roll paper	PR231A	10 rolls	40 m/roll
Thermal Z-fold paper (for 100-m Z-fold chart unit)	PZ231A	5 packs	100 m/pack
Thermal Z-fold paper (for 20-m Z-fold chart unit)	PZ100	10 packs	20 m/pack
Head cleaner set	B-368	1 kit	Contains cleaning liquid and sheets

Dimensional Diagram



Note: The above diagram includes several, but not all, user-specified add-on units.



To ensure correct and safe use of your recorder:

- Read your User's Manual before using the recorder, and operate it correctly in accordance with the procedures described.
- To prevent malfunctions or electrical shock due to current leakage, ensure that the recorder has a good protective ground, and ensure that the supply voltage conforms to the recorder's power rating.

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