

## 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

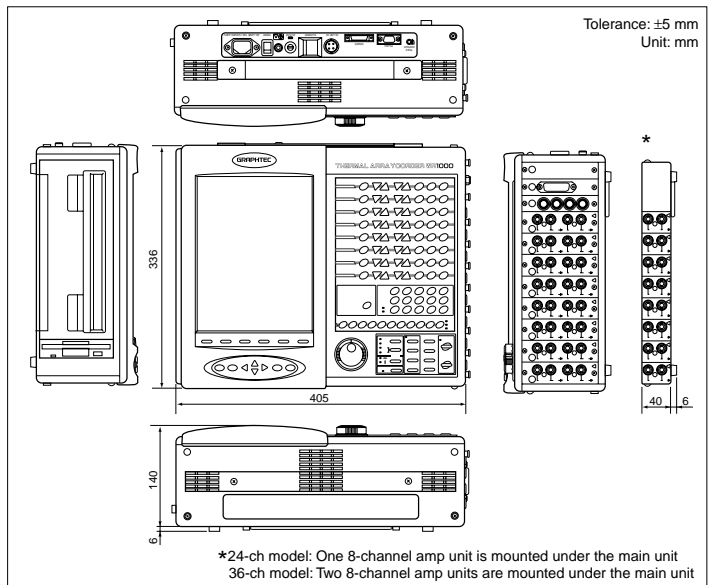
### Other

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-specifiable 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.

Brand names and product names listed in this brochure are the trademarks or registered trademarks of their respective owners.

Specifications are subject to change without notice.

**GRAPHTEC CORPORATION**



[www.calcert.com](http://www.calcert.com)

[sales@calcert.com](mailto:sales@calcert.com)

Fujisawa Plant

RWR10002000310SU Printed in Japan

1.888.610.7664