

Flexible AC Current Clamp Meter with Data Logging **PRO FCM-900A**

INTRODUCTION

The Metravi FCM-900A Flexible/Rogowski Coil Clamp Meter is designed and manufactured for field testing of very high AC current. It can also be used as a common multimeter to measure AC Voltage, DC Voltage, Resistor and Continuity testing.

Widely used in electric power, communications, meteorology, railway, oil field, construction, measurement, scientific research and teaching units, industrial and mining enterprises and other fields. Especially suitable for flat cable dense places, current test of transformer grounding core, thick wire and cable, relay protection, silicon controlled rectifier, frequency conversion speed regulation, semiconductor switch, power electronic conversion equipment, arc welding and other industrial environment with serious signal distortion.



FEATURES

- Small size and light weight
- Coil diameter $\Phi 300\text{mm}$
- Very simple to operate
- Backlight function
- Data Hold function
- High measurement accuracy
- Measures and displays AC Current and Voltage readings SIMULTANEOUSLY
- USB communication interface
- Stored data can be uploaded to the computer
- Historical data reading, Query, Save, Print and other functions

MEASUREMENTS

- **AC Current** Range: $0\text{mA} \sim 10000\text{A AC}$
- Accuracy: $\pm 2\% \text{rdg} \pm 5 \text{dgt}$
- **AC Voltage** Range: $0.0\text{V} \sim 750\text{V AC}$
- **DC Voltage** Range: $0.0\text{V} \sim 1000\text{V DC}$
- Accuracy: $\pm 1.5\% \text{rdg} \pm 3 \text{dgt}$
- **Resistance** Range: $0\Omega \sim 2 \text{ k}\Omega$
- Accuracy: $\pm 2\% \text{rdg} \pm 5 \text{dgt}$

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TECHNICAL SPECIFICATIONS

Feature / Function	Specifications
Test Method	Flexible CT: The output signal is the differential of current with respect to time. By integrating the output voltage signal, the input current can be truly restored.
Coil Diameter	Inside diameter \varnothing 200mm/ \varnothing 300mm
Date Hold	Yes
Data Storage	600 sets
Communication Interface	USB
Communication Cable	Length 1.8 meters
Frequency	50Hz/60Hz (Automatic)
Gear Shift	Automatic
Sampling Rate	2 times per second
Display	2.8 inch TFT colour LCD; 58mmX44mm
Backlight	Yes
Dimensions (L x W x H) & Weight	300 X 470 X35 mm, 272gms (only meter), 755g (including battery)
Power	4 x 6V DC (LR03) Alkaline Battery
Working Environment	-10° to 40°C, Below 80%RH
Storage Environment	-10° to 60°C, Below 70%RH
Insulation Resistance	100M Ω
Safety Certifications	IEC1010-1, IEC1010-2-032, Pollution 2, CAT VI 1000V, IEC61326 (EMC standard)

