

Intelligent Digital Multimeter **TENMA™**



Description

The digital multimeter is a 20,000 counts and 4-1/2 digits with steady operation. The meter can measure AC voltage and current, DC voltage and current, resistance, capacitance, temperature frequency, diodes, continuity, 4 to 20mA loop, Max/Min, relative mode but also has data store, data recall, AC true RMS, AC+DC, low battery display, double display backlight, data hold, automatic power off and full overload protection.

Features

- Display Count : 20,000
- Auto Range
- True RMS
- Bandwidth (Hz) : 100kHz
- Duty Cycle : 10% to 90% - [Accuracy $\pm(1\%+30)$]
- Diode Test
- Auto Power Off
- Continuity Buzzer
- Low Battery Indication
- Data Hold
- Relative Mode
- MAX/MIN
- Data Logging : 100
- USB Interface
- Double Backlight
- Analogue Bar Graph
- Full Icon Display
- Setup
- Input Impedance for DCV - DC 200mV : Around 2.5G Ω , All Other Range : 10M Ω
- 4 - 20mA Loop : 0 to 100% - [Accuracy $\pm(1\%+50)$]
- Fused 10A
- Current Measurement Alarm
- Voltage & Current AC+DC Measurement

Specifications

	Range	Best Accuracy
DC Voltage (V)	200mV/2V/20V/200V/1000V	$\pm(0.05\%+5)$
AC Voltage (V)	2V/20V/200V/1000V	$\pm(0.6\%+40)$
DC Current (A)	200 μ A/2000 μ A/20mA/200mA/10A	$\pm(0.15\%+20)$
AC Current (A)	200 μ A/2000 μ A/20mA/200mA/10A	$\pm(0.8\%+15)$
Resistance (Ω)	200 Ω /2k Ω /20k Ω /200k Ω /2M Ω /20M Ω	$\pm(0.4\%+20)$
Capacitance (F)	20nF/200nF/2 μ F/20 μ F/200 μ F/2mF/20mF	$\pm(1.2\%+20)$
Frequency (Hz)	20Hz-200MHz	$\pm(0.1\%+15)$
Temperature ($^{\circ}$ C)	-40 $^{\circ}$ C to +1000 $^{\circ}$ C	$\pm(1\%+30)$
Temperature ($^{\circ}$ F)	-40 $^{\circ}$ F to +1832 $^{\circ}$ F	$\pm(1.5\%+50)$

Intelligent Digital Multimeter

General Characteristic

Power	9V Battery (6F22)
LCD Size	73mm × 50mm
Product Colour	Orange and Grey
Product Net Weight	384g
Product Size	200mm × 93mm × 40mm
Standard Accessories	Test Lead, Alligator Clip, Test Clip, USB Interface Cable, PC Software CD, Carrying Bag, Point Contact Temperature Probe
Safety Rating	CAT III 1000V
	CAT IV 600V

Part Number Table

Description	Part Number
Digital Multimeter, USB 20,000 Counts	72-7730A

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Tenma is the registered trademark of the Group. © Premier Farnell plc 2012.