



PM51A - Amprobe Pocket Autoranging Digital Multimeter

PRODUCT ID: 2615

DISCONTINUED

[DESCRIPTION](#)

[TECHNICAL DETAILS](#)



DESCRIPTION

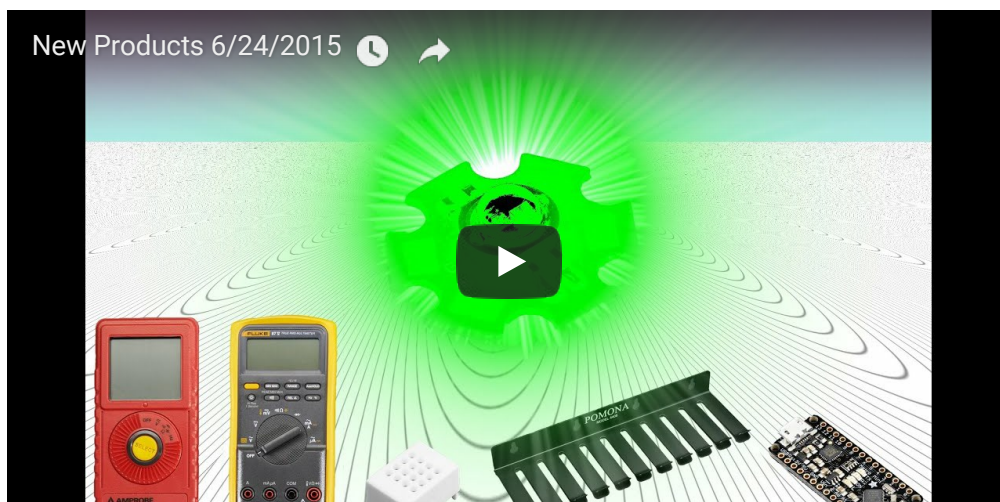
The ultimate shirt-pocket sized **Pocket Digital Multimeter from Amprobe** with frequency & capacitance measurements! This DMM is only 3/8" thick and weighs less than 3 oz. With full functionality offering AC and DC voltage to 600 V, resistance to 40 Megohm, capacitance to 3000 μ F, frequency to 1 MHz, continuity w/beeper, and diode test. So handy, it's Ladyada's daily multimeter

Fully autoranging, this meter offers seven different measurement functions with 27 full ranges of measurement. The digital display is oversized with large digits and annunciators. In spite of its size, this meter is fully safety rated to CAT III 300 V, CAT II 600 V and is UL approved. No other meter offers this small size with such performance and high safety ratings.

Gigantic table of specifications:

- **DC Voltage**
 - 400mV, ~1% accuracy
 - 4V, 40V, 400V, ~2% accuracy
 - 600V, ~2.5% accuracy
 - NMRR: >50dB @ 50Hz/60Hz
 - CMRR: >120dB @ dc, 50Hz/60Hz, Rs=1 k Ω
 - Input impedance: 10 M Ω , 30pF nominal; (1000 MW for 400mV range)
- **AC Voltage**
 - 50Hz - 60Hz
 - 4V, 40V, 400V, ~2% accuracy
 - 60Hz - 500Hz
 - 4V, 40V, 400V, ~3% accuracy
 - 50Hz - 500Hz
 - 600V, ~3.5% accuracy
 - Input impedance: 10 M Ω , 30pF nominal
 - CMRR: >60dB @ dc to 60Hz, Rs=1 k Ω
- **Capacitance**
 - 500nF, 5uF, 50uF, 500uF, 3000uF, ~3.5% accuracy
- **Resistance**
 - 400 Ω , ~1.5% accuracy
 - 4K Ω , 40K Ω , 400K Ω , ~1% accuracy
 - 4M Ω , ~1.5% accuracy
 - 40M Ω , ~2.5% accuracy
 - Open circuit voltage: 0.4V DC typical
- **Frequency**
 - 400Hz, 4kHz, 40kHz, 400kHz, 1MHz, ~0.5% accuracy
- **Sensitivity (V-Peak)**
 - 5Hz - 100kHz, >1.3Vp
 - 100kHz - 500kHz, >2.2Vp
 - 500kHz - 1MHz, >4.2Vp
- **Diode Tester**
 - Test current (typical): 0.25mA
 - Open circuit voltage: 1.6V dc
- **Audible Continuity Tester**
 - Open circuit voltage: 0.4V dc typical
 - Audible threshold: 65 Ω \pm 55 Ω

Battery is included!



TECHNICAL DETAILS

- [Datasheet](#)
- [Manual](#)

For product support, replacement parts and warranty for all Amprobe products, [click here!](#)



MAY WE ALSO SUGGEST...



Digital Multimeter - Model



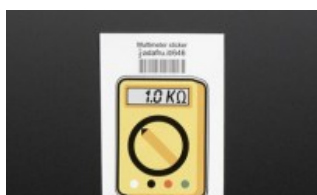
Pocket Autoranging Digital



Exttech EX330 12-function



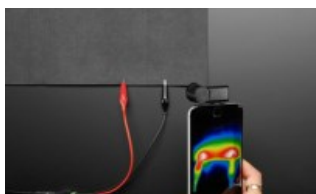
Fluke 87V Industrial



Multi-Meter! - Sticker!



Multifunction Basic Power



EeonTex High-Conductivity

4.6 ★★★★★
Google
Customer Reviews