AMPROBE®



Data Sheet

PM55A Digital Multimeter

The compact precision DMM with AutoTect™ and VolTect™

The ultimate shirt-pocket sized meter. Only 3/8" thick and less than 3 oz in weight with full functionality offering ac and dc voltage to 600 V, AC and DC current to 2000 μA, resistance to 6 Megohm, capacitance to 2000 μF, frequency to 30 kHz, diode test and continuity w/beeper. It also offers VolTect,TM a built-in, non-contact voltage detector for AC voltages.

Another key feature is AutoTect,™ which automatically selects between AC voltage, DC voltage or resistance measurement based on the test point to which the leads are

connected. Fully autoranging, this meter offers nine different measurement functions plus features that are usually found in much more expensive and larger meters. The digital display is oversized with large digits and unit icons in the display. 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 this small offers such performance and high safety ratings. Includes a silicone protective holster, deluxe carrying case, attached test leads, battery and manual.

No hassle warranty

No waiting.

No shipping charges.

Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: \$500 MSLP limit)

- AutoTectTM feature directs the meter to know if it is measuring AC volts, DC volts or resistance with no user interface
- The AutoTect[™] feature has lower input impedance which zeros out ghost voltages
- Measures AC/DC current, capacitance, frequency, continuity with beeper plus includes Voltect,™ a built-in, non-contact voltage detector
- Large oversize digital display
- Protective silicon holster included, attached test leads, battery, deluxe carry case and manual
- One-year, no-hassle warranty













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General Specifications

3-5/6 digits 6000 counts; Updates 5 per second nominal	
0 °C - 40 °C	
Max. 80 $\%$ R.H. up to 31 °C, decreasing linearly to 50 $\%$ R.H. at 40 °C	
Operating below 2000 m	
-20 °C \sim 60 °C, $<$ 80 % R.H. (with battery removed)	
Nominal 0.15 x (specified accuracy)/ $^{\circ}$ C @ (0 $^{\circ}$ C $^{\sim}$ 18 $^{\circ}$ C or 28 $^{\circ}$ C $^{\sim}$ 40 $^{\circ}$ C), or otherwise specified	
Average sensing	
600 V DC and V AC RMS	
Below approx. 2.4 V	
3 V standard button battery x 1 (IEC-CR2032; ANSI-NEDA-5004LC)	
6 mA for voltage functions on Auto-V W position & 2 mA for other functions	
Idle for 3 minutes	
2.2 μΑ	
L 113 mm x W 53 mm x H 10.2 mm (4.4 x 2.1 x 0.4 in)	
Approx. 78 gm (3 oz)	
AutoTect™ (Automatic V & Ω selection) and VolTect™ (Electric Field Detection)	
CE, cULus	
Meets IEC61010-1, UL61010B-1, CAN/CSA-C22.2 No. 1010.1-92, CAT II 600 V and CAT III 300 V, Pollution Degree 2, Class 2	
Meets EN61326	

Specifications

Function	Range	Accuracy
RF field @ 3 V/m Speci	fied accuracy + 45 d (capacitance not specified)	
DC Voltage	ned decardey 1 45 a (capacitance not specifica)	
	6.000 V	± (0.5 %+3 dgt)
	60.00 V	± (1.0 %+5 dgt)
	600 V (AutoTect™ Lo-Z)	2.0 %
	600 V (Hi-Z only)	1.5 % + 5 dgt
NMRR > 30 dB @ 50	Hz/60 Hz	
CMRR > 100 dB @ D	C, 50 Hz/60 Hz; Rs=1 kΩ	
Input impedance Au	utoTect™ Lo-Z V DC: 833 kΩ (4.2 kW when display	ying AUTO), 90 pF nom.
V DC AutoTect™ thr	reshold >	+1.2 V DC or < -0.6 V DC nominal (Hi-Z V DC only)
AC Voltage (50 Hz - 6	0 Hz)	
	6.000 V, 60.00 V, 600 V	± (1.5 %+5 dgt)
CMRR > 60 dB @ DC	to 60 Hz, Rs=1 kW	
Input impedance Au	utoTect™ Lo-Z V AC: 160 kΩ, 160 pF nominal	
Hi-Z ACV 5 MW, 90	pF nominal	
ACV AutoTect™ thr	eshold > 1.5 V ac (50 Hz/60 Hz) nominal	



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Included Accessories

H-PMA protective holster, VC3A zippered carrying case, battery installed and user's manual.

Amprobe® Test Tools

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