



# AMPROBE®

## AM-42, AM-45 & AM-47 Pocket DMM Digital Multimeters



*Don't let the dimensions fool you. The Pocket DMM Digital Multimeters incorporate a full range of features--in a portable package--that are usually found in larger sized meters.*

- Oversized, large LCD easy to read
- Non-contact voltage detection for user safety (AM-45 & AM-47 only)
- Autocheck feature (Automatic ACV, DCV and Resistance selection) for user convenience and protection against product misuse (AM-45 & AM-47 only)
- Data hold (AM-42 only)
- Auto power off
- 30ms High Speed Max Hold (AM-42 only)
- Audible continuity
- Autoranging
- Safety: CAT III 300V, CAT II 600V (AM-42 & AM-47 only), CATII 450V (AM-45 only)



*"Patent Pending"*

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



# AMPROBE®

AM-42, AM-45 & AM-47  
Pocket DMM Digital Multimeters



"Patent Pending"

FEATURES	AM-42	AM-45	AM-47	ACCURACY
<b>DC Voltage</b>	400.0 mV 4.000 / 40.00 / 400.0 / 600 V	6.000 / 60.00 / 450.0V	6.000 / 60.00 / 600.0V	AM-42: +/- (1% Rdg + 3 LSD) AM-45 & AM-47: +/- (1.5% Rdg + 5 LSD)
<b>AC Voltage</b>	4.000 / 40.00 / 400.0 / 600 V	6.000 / 60.00 / 450.0V	6.000 / 60.00 / 600.0V	AM-42: +/- (3.5% Rdg + 5 LSD) AM-45 & AM-47: +/- (1.5% Rdg + 5 LSD)
<b>Resistance</b>	400.0 Ohms 4.000 / 40.00 / 400.0 kOhms 4.000 / 40.00 MOhms	600.0 Ohms 6.000 / 60.00 / 600.0 kOhms 6.000 MOhms		AM-42: +/- (2.5% Rdg + 4 LSD) AM-45 & AM-47: +/- (2.0% Rdg + 6 LSD)
<b>AC/DC uA Current</b>			0 - 400uA / 2000uA	± (2.0% Rdg + 3 LSD)
<b>Frequency</b>	5.000 Hz – 1.000MHz	10.00 Hz – 30.00 kHz		+/- (0.5% Rdg + 5 LSD)
<b>Capacitance</b>	500.0 nF 5.000 / 50.00 / 500.0 / 3000uF	100.0 / 1000 nF 10.00 / 100.0 uF	100.0 / 1000 nF 10.00 / 100.0 / 2000 uF	+/- (3.5% Rdg + 6 LSD)
<b>Non-Contact Voltage Detection</b>		Bar Graph Indication 15V to 55V - 30V to 85V -- 55V to 145V --- 85V to 190V ---- Above 120V -----		
<b>Diode test</b>	0.25mA		0.48mA	

OPTIONAL ACCESSORIES	PART NUMBER
Alligator Clips (For test leads)	VRC-320
Carrying Case	CC-AMHO



Miramar, FL 33025 • Toll Free: 800-327-5060 • Phone: 954-499-5400 • Fax: 954-499-5418 • www.Amprobe.com

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