



For information about selecting multimeters, see page 513.



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AMPROBE

Dustproof and Waterproof Digital Multimeters for Harsh Environments

■ Full size

Rugged meters are IP-rated for protection against dust and exposure to water. Ideal for use in extreme temperatures, outdoor applications, and harsh environments. Include batteries and test leads.

IP64 rated meter is fully protected from dust ingress and from water spray in any direction. **IP54** rated meter is protected from limited dust ingress and water spray in any direction. **IP67** rated meters are fully protected from dust ingress and from immersion in water up to 1m.

IP Rating	AC Response Calculation	Max. Current (AC/DC)	Max. Voltage (AC/DC)	Instrument Counts	AC Current	AC Voltage	Capacitance	DC Current	DC Voltage	Frequency	Resistance	Temp. Type	Brand	CALIBRATION CERTIFICATE Not Included Item No.	Included Item No.
CAT III 600V															
IP64	TRMS	10 A	600 V	9999	•	•	•	•	•	•	•		Milwaukee	6JHY3	—
CAT III 1000V, CAT IV 600V															
IP54	TRMS	10 A	1000 V	40000	•	•	•	•	•	•	•	K	FLIR	22UL80	22UL81
	Average	10 A	1000 V	4000	•	•	•	•	•	•	•		Extech	1PTK1	1PTL7
		10 A	1000 V	6000	•	•	•	•	•	•	•		Fluke	4GUE2	4GUE3
		10 A	1000 V	4000	•	•	•	•	•	•	•		Extech	1PTK3	1PTL8
IP67	TRMS	10 A	1000 V	6000	•	•	•	•	•	•	•	K	Fluke	55NR57	—
		10 A	1000 V	6000/19999	•	•	•	•	•	•	•	K	Fluke	4GUE4	4GUE5
		20 A	1000 V	6000	•	•	•	•	•	•	•	K	Extech	2ELP6	3EMK7
		20 A	1000 V	40000	•	•	•	•	•	•	•	K	Extech	2ELP7	3EMK8
CAT IV 1000V															
IP67	Average	10 A	1500 V	1999	•	•	•	•	•	•	•		Amprobe	2ATA6	—
	TRMS	2 A	1500 V	9999	•	•	•	•	•	•	•	K	Amprobe	2ATA7	—



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Intrinsically Safe Digital Multimeter for Hazardous Environments

- Full size
- CAT IV 600V rated
- IP67 rated

Designed with internal circuitry that will not discharge electrical, mechanical, or thermal energy into the atmosphere that may cause a fire or explosion.

Dustproof and waterproof with advanced features including auto and manual ranging, min/max/average, and peak capture for high-end testing and troubleshooting. Ideal for use in chemical, pharmaceutical, petroleum, and other hazardous environments. Includes batteries and test leads.

AC Response Calculation	Max. Current (AC/DC)	Max. Voltage (AC/DC)	Instrument Counts	AC Current	AC Voltage	Capacitance	DC Current	DC Voltage	Frequency	Resistance	Temp. Type	Item No.
TRMS	10 A	1000 V	20000	•	•	•	•	•	•	•	K	24K480



Thermal Imaging Digital Multimeters

- Full size

Meters have a built-in thermal imager that detects electrical problems by showing images on a full-color, visual display. Allow operators to quickly scan, identify, and locate electrical issues in areas where visibility is poor or direct contact with test objects is unsafe or not possible. Commonly used by electricians, automation, and HVAC technicians.

444M20 and 444M21—Identify overheating or faulty components from a safe distance. Use for both high and low voltage applications. Includes batteries and test leads.

48RH42—Save, recall, and review images and measurements on the meter and communicate wirelessly to a smartphone. Includes battery, charger, test leads, and iFlex flexible probe that expands current measurement capabilities in hard-to-reach spaces.

444M24 and 444M25—Quickly scan to find the precise location of problems and verify the issue using multiple measurement functions. Images and data can be wirelessly transferred via Bluetooth connectivity. Include batteries and test leads.



AC Response Calculation	Max. Current (AC/DC)	Max. Voltage (AC/DC)	Instrument Counts	AC Current	AC Voltage	Capacitance	DC Current	DC Voltage	Frequency	Resistance	Temp. Type	Brand	CALIBRATION CERTIFICATE Not Included Item No.	Included Item No.
CAT III 600V; CAT IV 300V														
TRMS	10 A	600 V	6000	•	•	•	•	•	•	•	IR, K	FLIR	444M20	444M21
CAT III 1000V; CAT IV 600V														
TRMS	2,500 A	1000 V	6000	•	•	•	•	•	•	•	IR	Fluke	48RH42	—
CAT IV 600V														
TRMS	10 A	1000 V	6000	•	•	•	•	•	•	•	IR, K	FLIR	444M24	444M25