

490 Series Digital Multimeters



- Feature-packed multimeters for electricians in commercial and industrial environments
- True RMS readings for error-free testing
- Auto AC/DC voltage and current mode with frequency indication
- Auto selection for resistance/continuity/diode/capacitance
- All-weather housing designed for harsh environments
- Large, easy-to-read LCD display





490 Series Digital Multimeters

The 490 Series multimeters are packed with features for commercial and industrial environments. From the technical advantages of auto/manual ranging and True RMS measurements to the user-friendly benefits of auto backlight and dual display, these meters are as easy to use as they are to own.

Features

- Data acquisition
- Data logging (20,000 Records)
- Data storage
- High voltage indicator
- Frequency
- Temperature
- High frequency rejection mode*
- Auto hold
- Peak hold
- dBm/dB measurement
- Relative mode
- Auto Selection for Resistance/Diode/Capacitance
- Duty factor
- Auto power off
- Auto sensing backlight
- Low battery indication
- USB interface with software included
- 2-year warranty

*High frequency rejection (HFR) provides accurate voltage/frequency readings on non-sinusoidal wave forms, such as adjustable speed motor drives.



- Large 100,000 count display
- Higher accuracies

Accessories	
INCLUDES	
TL-497	Test Leads with Alligator Clips
61-565	Magnetic Strap
61-902	USB Cable
61-906	ProVision™ II Software
61-461	K-Type Thermocouple
61-465	Thermocouple Adapter
C-230	Carrying Case



Specifications	61-497	61-498	61-497	61-498
	RANGE & RESOLUTION		BASIC ACCURACY	
AC VOLTAGE	40.000m/400.00m/4.0000/40.000/400.00/1000.0 V	100.000m/1000.00m/10.0000/100.000/1000.00 V	0.7%	0.40%
DC VOLTAGE	40.000m/400.00m/4.0000/40.000/400.00/1000.0 V	100.000m/1000.00m/10.0000/100.000/1000.00 V	0.03%	0.015%
AC CURRENT	40.000m/400.00m/10.000 A	10.0000m/100.000m/10.0000 A	0.8%	0.7%
DC CURRENT	40.000m/400.00m/10.000 A	10.0000m/100.000m/10.0000 A	0.2%	0.1%
RESISTANCE	400.00/4.0000k/40.000k/400.00k/4.0000M/40.000M Ω	1000.00/10.0000k/100.000k/1000.00k/10.0000M/40.000M Ω	0.2%	0.025%
CAPACITANCE	4.000n/40.00n/400.0n/4.000µ/ 40.00µ/ 400.0µ/4.000m/40.00mF	4.000n/40.00n/400.0n/4.000µ/ 40.00µ/ 400.0µ/4.000m/40.00mF	0.9%	0.8%
DIODE TEST	2.000 V	0.400 V - 0.800 V	1.5%	1.5%
FREQUENCY	40.000/400.00/4.0000k/40.000k/400.00k/4.0000M Hz	40.000/400.00/4.0000k/40.000k/400.00k/4.0000M Hz	0.002%	0.002%
DUTY FACTOR	20% - 80%	20% - 80%	0.1%	0.1%
TEMPERATURE	-328° F to 2192° F (-200° C TO 1200° C)	-328° F to 2192° F (-200° C TO 1200° C)	1.0% 2°F/1°C	1.0% 2°F/1°C

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