

NEXT-GEN COMPACT DIGITAL MULTIMETER

PRO-11/PRO-12B

Handheld, Waterproof and Dust-proof Digital Multimeter. Anything and Everything that you can possibly think about. A must for all technicians, double- moulded injection body, built-in flashlight to access dark areas, T-RMS function (PRO-12B) to measure any kind of signal irrespective of the waveform, Lo-Z (PRO-12B) measurement to measure ghost voltage. Bluetooth interface for connection to mobile phone for remote display and for recording data (PRO-12B). These are just a few things to enumerate for this next-gen DMM.

GENERAL SPECIFICATIONS

- 1) Insulation : Class 2, Double Insulation
- 2) Enclosure : Double Molded, IP67 waterproof and dust-proof
- 3) Diode Test : Test current 1.5mA max., open circuit voltage 3V typical
- 4) Continuity Test : Audible signal if the resistance is approx. 50Ω
- 5) Low Battery Indication : “**+** **-**” is displayed
- 6) Display : 4000 count LCD display
- 7) Over Range Indication : “OL” is displayed
- 8) Polarity : Minus symbol “-” is displayed for negative polarity
- 9) Measurement Rate : 3 readings per second, nominal
- 10) T-RMS Measurements : **Only in PRO-12B**
- 11) Built in Flash Light to access dark areas
- 12) Bluetooth interface : **For PRO-12B only**
- 13) APP available on Appstore and Google Play Store for remote access of Multimeter and to store Data (Only in PRO-12B)
- 14) Auto Power Off : After approx. 15 minutes of inactivity
- 15) Input Impedance : 10MΩ AC/DC Voltage
- 16) Low Z : approx. 3KΩ input impedance
(In PRO-12B only)
- 17) AC Response : True RMS **(PRO-12B only)**
- 18) AC Bandwidth : 50 to 400Hz
- 19) Batteries : Three “AAA” 1.5V batteries
- 20) Fuse : 10A/600V (5*20) fast acting Fuse
500mA/600V (5*20) fast acting Fuse
- 21) Operating Environment : 32°F to 104°F (0°C to 40°C), < 70% relative humidity
- 22) Storage Environment : 14°F to 140°F (-10°C to 60°C) < 80% relative humidity
- 23) Operating Altitude : 2000 meters maximum
- 24) Dimensions/ Weight : 5.8” x 2.7” x 2.0”/0.70lb) (147 x 68 x 50mm/318g)
- 25) Safety : Complies with UL 61010-1 v.3 for measurement Category 600V, Pollution Degree 2



NEXT-GEN COMPACT DIGITAL MULTIMETER

PRO-11/PRO-12B

SPECIFICATION

Accuracy is given at 65°F to 83°F (18°C to 28°C), less than 70% relative humidity

Function	Range	Resolution	Accuracy ± (% of reading + digits)
AC Voltage (T-RMS in PRO-12B Only)	4.000V	1mV	±(1.2% + 8)
	40.00V	10mV	
	400.0V	0.1V	
	600V	1V	

Input Protection: 600V DC or 600V AC RMS

Input Impedance : 10MΩ

AC Response : 50 to 400Hz

Function	Range	Resolution	Accuracy ± (% of reading + digits)
Low Z AC Voltage (in PRO-12B Only)	4.000V	1mV	±(2.5% + 5)
	40.00V	10mV	
	400.0V	0.1V	
	600V	1V	

All AC voltage ranges are specified from 5% of range to 100% of range

Input Protection : 600V AC RMS or 600V DC

Input Impedance : approx. 3kΩ

AC Response : 50 to 400Hz

Function	Range	Resolution	Accuracy ± (% of reading + digits)
DC Voltage	400.0mV	0.1mV	±(0.6% + 10)
	4.000V	1mV	
	40.00V	10mV	
	400.0V	0.1V	
	600V	1V	

Input Protection : 600V DC or 600V AC RMS

Input Impedance : 10MΩ

Function	Range	Resolution	Accuracy ± (% of reading + digits)
Low Z DC Voltage (in PRO-12B Only)	400.0mV	0.1mV	±(2% + 5)
	4.000V	1mV	
	40.00V	10mV	
	400.0V	0.1V	
	600V	1V	

Input Protection : 600V AC RMS or 600V DC

Input Impedance : approx. 3kΩ



NEXT-GEN COMPACT DIGITAL MULTIMETER PRO-11/PRO-12B

Function	Range	Resolution	Accuracy ± (% of reading + digits)
AC Current (T-RMS in PRO-12B Only)	400uA	0.1uA	±(1% + 8)
	4000uA	1uA	
	40mA	0.01mA	
	400mA	0.1mA	
	4.000A	1mA	±(2% + 8)
	10.00A	10mA	

Overload Protection : 10A range : 10A/600V Fuse

Ua, mA range : 500mA/600V Fuse

AC Response : 50 to 400Hz

Function	Range	Resolution	Accuracy ± (% of reading + digits)
DC Current	400uA	0.1uA	±(1% + 8)
	4000uA	1uA	
	40mA	0.01mA	
	400mA	0.1mA	
	4.000A	1mA	±(2% + 8)
	10.00A	10mA	

Overload Protection : 10A range : 10A/600V Fuse

uA, mA range : 500mA/600V Fuse

Function	Range	Resolution	Accuracy ± (% of reading + digits)
Resistance	400.0Ω	0.1Ω	±(1.5% + 5)
	4.000kΩ	1Ω	
	40.00kΩ	10Ω	
	400.0kΩ	100Ω	
	4.000MΩ	1kΩ	±(2% + 10)
	40.00MΩ	10kΩ	

Input Protection : 300V AC RMS or 300V DC

Function	Range	Resolution	Accuracy ± (% of reading + digits)
Capacitance	40.00nF	10pF	±(3.5% + 5)
	400.0nF	100pF	±(3.0% + 5)
	4.000μF	0.001μF	
	40.00μF	0.01μF	
	400.0μF	0.1μF	
	4000μF	1μF	

Input Protection : 300V AC RMS or 300V DC

NEXT-GEN COMPACT DIGITAL MULTIMETER

PRO-11/PRO-12B

Function	Range	Resolution	Accuracy \pm (% of reading + digits)
Frequency (Electronic)	9.999Hz	0.001Hz	\pm (1.0% + 5)
	99.99Hz	0.01Hz	
	999.9Hz	0.1Hz	
	9.999kHz	1Hz	
	99.99kHz	10Hz	
	999.9kHz	100Hz	\pm (1.2% + 5)
	9.999MHz	1kHz	

Input Protection : 300V AC RMS or 300V DC

Sensitivity : > 8V RMS

Function	Range	Resolution	Accuracy \pm (% of reading + digits)
Duty Cycle	1.0% to 99.9%	0.1%	\pm (1.2% + 5)

Input Protection : 300V AC RMS or 300V DC

Pulse Width : 0.1 to 100mS

Frequency Range : 5Hz to 100kHz

Sensitivity : <8V RMS

Function	Range	Resolution	Accuracy \pm (% of reading + digits)
Temperature	0°F to 1400°F	0.1°F	\pm (1.5% + 9°F)
	-18°C to 760°C	0.1°C	\pm (1.5% + 5°C)

Input Protection : 300V AC RMS or 300V DC

