



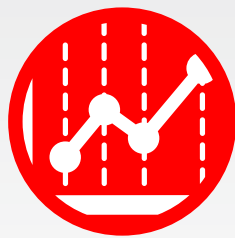
PD-184 HIGH PRECISION TRUE RMS MULTIMETERS

INCLUDING BLUETOOTH, DATALOGGER, VOICE
AND TEMPERATURE MEASUREMENT



VOICE MEASURES

Allows off-site measurements, leaving the screen unattended.



BUILT-IN DATALOGGER

The multimeter stores and sends measurements to the device.



THREE TOOLS IN ONE

Datalogger, multimeter and temperature meter.



MULTIPLE CONNECTIONS

A single multimeter can be connected to several devices.



DC ACCURACY: 0.05%

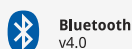
The most reliable measurements for industrial applications.

- ✓ **CC Voltage:** From 220 mV to 1000 V
- ✓ **AC Voltage:** From 220 mV to 750 V
- ✓ **DC Current:** From 220 μ A to 20 A
- ✓ **AC Current:** From 220 μ A to 20 A
- ✓ **Resistance:** From 220 Ω to 220 M Ω
- ✓ **Capacity:** From 22 nF to 220 mF

- ✓ **Frequency:** From 22 Hz to 220 MHz
- ✓ **Duty Cycle:** From 0.1% to 99.9%
- ✓ **Temperature:** From -50 $^{\circ}$ C to 400 $^{\circ}$ C
- ✓ **True RMS**
- ✓ **Diode test**
- ✓ **Continuity test**

- ✓ Data hold
- ✓ Max/Min value
- ✓ Datalogger
- ✓ Voice measurements
- ✓ Bluetooth link to mobile devices (requires Android 7.0 or newer)

Minimum requirements



[MORE DETAILS](#)

PD-184

Minimum requirements



Android
v7.0



Bluetooth
v4.0

SPECIFICATIONS				PD-184 TRMS INDUSTRIAL MULTIMETER			
Function	Measurement margin	Resolution	Accuracy				
CC Voltage	220 mV	0.01 mV	± (0.05% + 5 dig.)				
	2.2 V	0.1 mV	± (0.05% + 5 dig.)				
	22 V	1 mV	± (0.01% + 2 dig.)				
	220 V	10 mV	± (0.01% + 2 dig.)				
	1000 V	0.1 V	± (0.1% + 5 dig.)				
AC Voltage	220 mV	0.01 mV	≤ 1 kHz: ± (1.0% + 10 dig.) / > 1 kHz: ± (1.5% + 50 dig.)				
	2.2 V	0.1 mV	≤ 1 kHz: ± (0.8% + 25 dig.) / > 1 kHz: ± (1.2% + 50 dig.)				
	22 V	1 mV	≤ 1 kHz: ± (0.8% + 25 dig.) / > 1 kHz: ± (1.2% + 50 dig.)				
	220 V	10 mV	≤ 1 kHz: ± (0.8% + 25 dig.) / > 1 kHz: ± (2.0% + 50 dig.)				
	750 V	0.1 V	≤ 1 kHz: ± (1.2% + 50 dig.) / > 1 kHz: ± (3.0% + 50 dig.)				
CC Current	220 µA	0.01 µA	± (0.5% + 10 dig.)				
	2200 µA	0.1 µA	± (0.5% + 10 dig.)				
	22 mA	1 µA	± (0.5% + 10 dig.)				
	220 mA	10 µA	± (0.8% + 10 dig.)				
	20 A	1 mA	± (2% + 25 dig.)				
AC Current	220 µA	0.01 µA	≤ 1 kHz: ± (0.8% + 10 dig.) / > 1 kHz: ± (1.2% + 25 dig.)				
	2200 µA	0.1 µA	≤ 1 kHz: ± (0.8% + 10 dig.) / > 1 kHz: ± (1.5% + 50 dig.)				
	22 mA	1 µA	≤ 1 kHz: ± (1.2% + 10 dig.) / > 1 kHz: ± (1.5% + 50 dig.)				
	220 mA	10 µA	≤ 1 kHz: ± (1.2% + 10 dig.) / > 1 kHz: ± (1.5% + 50 dig.)				
	20 A	1 mA	≤ 1 kHz: ± (1.5% + 10 dig.) / > 1 kHz: ± (2.0% + 50 dig.)				
Resistance	220 Ω	0.01 MΩ	± (0.5% + 30 dig.)				
	2.2 kΩ	0.1 Ω	± (0.5% + 10 dig.)				
	22 kΩ	1 Ω	± (0.5% + 10 dig.)				
	220 kΩ	10 Ω	± (0.5% + 10 dig.)				
	2.2 MΩ	100 Ω	± (0.8% + 10 dig.)				
Capacity	22 nF	1 pF	± (3% + 5 dig.)				
	220 nF	10 pF	± (3% + 5 dig.)				
	2.2 µF	100 pF	± (3% + 5 dig.)				
	22 µF	1 nF	± (3% + 5 dig.)				
	220 µF	10 nF	± (3% + 5 dig.)				
Frequency	2.2 mF	100 nF	± (4% + 10 dig.)				
	> 220 mF	N/A	N/A				
	22 Hz	0.01 Hz	± (0.1% + 4 dig.)				
	220 Hz	0.1 Hz	± (0.1% + 4 dig.)				
	22 kHz	1 Hz	± (0.1% + 4 dig.)				
Duty cycle	220 kHz	10 Hz	± (0.1% + 4 dig.)				
	2.2 MHz	1 kHz	± (0.1% + 4 dig.)				
	22 MHz	10 kHz	± (0.1% + 4 dig.)				
	> 220 MHz	N/A	N/A				
	From 5% to 94.9% (typ value: V _{RMS} = 1 V, f = 1 kHz)	0.1%	± (1.2% + 3 dig.)				
From 0.1% to 99.9% (≥ 1 kHz)	0.1%	± (2.5% + 3 dig.)					
Temperature	From -50 °C to 400 °C	0.1 °C	± (1.0% + 5 dig.)				
	From -58 °F to 752 °F	0.1 °F	± (1.2% + 6 dig.)				

Screen	21999 counts	Auto power off warning	✓	LCD size	69 x 52 mm
Frequency response	40 Hz to 10.000 Hz	Low battery indicator	✓	Visible area	67 x 46 mm (effective area 66 x 45 mm)
Sampling rate	3 samples / s	Data hold	✓	Battery	3 V (1.5 V x 2)
Auto Range	✓	Relative measurement	✓	Dimensions	85 x 185 x 30 mm
Offline recording	✓	Max/Min value	✓	Weight	0.32 kg
Recording period	168 hours (7 days)	Bluetooth	✓	Accessories	Multimeter lead, temperature probe, multifunction test bench, alligator clip, soft bag and quick reference guide
Record length	10,000 points	Backlighted LCD	✓		
True RMS	✓	Graph	✓		
Diode test	✓	Input protection	✓		
Continuity test	✓	Input impedance	10 MΩ		

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT PRIOR NOTICE 03-23