

Features

- Max. Display 6600
- Auto/Manual Range
- True RMS Measurement
- MAX/MIN Measurement
- Relative Measurement
- Back Light
- Data hold
- Continuity Test
- Diode Test
- USB port connect to PC
- Low Power Indication
- Auto Power Off
- Low Battery Detect
- Power: Battery 6F22(9V)X1
- 190 x 90 x 40mm (7.48 x 3.54 x 1.57 inch)
- Weight: ~500g (including battery) (17.63 Ounces)

RS PRO Digital Multimeters

RS Stock No.: 296647



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

296647 CATIV Safety TRMS Digital Multimeter series with Analog Scale for Quick Trend Display – Bar Graph is a handheld device which can voltage, electrical current, resistance and continuity, capacitance, diode and temperature and peak measurement (296659) along-with option of plug and play USB for connection with PC.

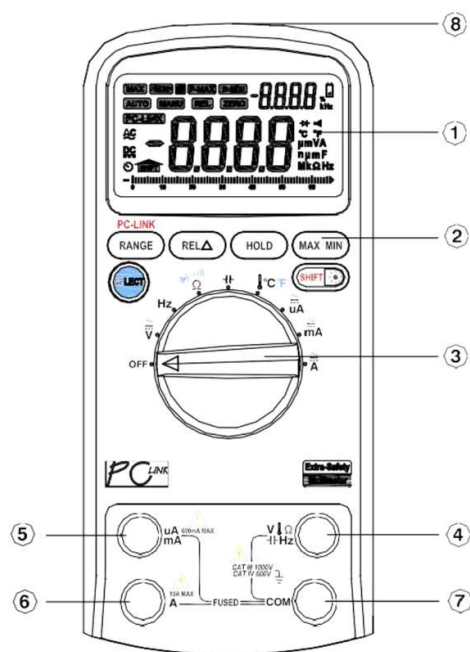
General Specifications

Function	Value
DC Voltage	600mV \pm 0.5%, 6.6V/66V/660V \pm 0.8%, 1000V \pm 1.0%
AC Voltage	660mV/6.6V/66V/660V \pm 1.2%, 1000V \pm 1.5%
DC Current	660uA/6600uA \pm 1.0%, /66mA/600mA \pm 1.5%, 10A \pm 1.8%
AC Current	660uA/6600uA \pm 1.5%, /66mA/600mA \pm 1.8%, 10A \pm 2%
Resistance	660 Ω /6.6K Ω /66K Ω /660K Ω /6.6M Ω \pm 1.2%, 66M Ω \pm 2%
Capacitance	6.6nF \pm 5.0%, 66nF/660nF/6.6 μ F/60 \pm 3.0%, 66 μ F/660 μ F/6.6mF \pm 5.0%, 66mF
Logic Frequency	6HZ~2MHZ \pm (0.05%+8)
Linear Frequency	6HZ~66KHZ \pm (0.05%+8)
Temperature	-55~0°C \pm 5.0% (-67°F~32°F), 0~1000°C \pm 2.0% (32°F~1832°F)

Pocket Multimeter Selection Guide

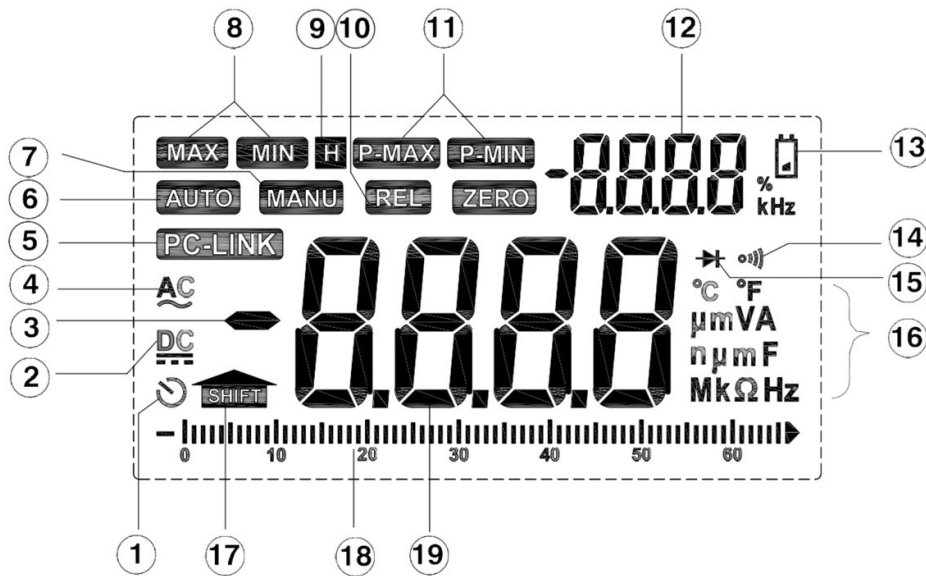
	296647
Auto Range	ACV/DCV/Resistance/Continuity/Diode/Temperature/ NCV/mA/A
DC Voltage	2V/20V/200V/600V \pm (0.5%+3)
AC Voltage	2V/20V/200V/600V \pm (1.0%+3)
DC Current	20mA/200mA/1A \pm (1.0%+3)
AC Current	20mA/200mA/1A \pm (1.5%+3)
Current Plug-in Detect	Yes

Panel and Constructure



- ① LCD display
Used for displaying the measuring results and various symbols.
- ② Keypad
Measurement function keys.
- ③ Rotary switch
Used for selecting measurement functions.
- ④ V Ω Hz
Terminal receiving the red test lead for voltage, resistance, capacitance, frequency, Temperature, diode and continuity measurements.
- ⑤ μ A/mA
Terminal receiving the red test lead for μ A, mA measurements.
- ⑥ A
Terminal receiving the red test lead for 10A measurements.
- ⑦ COM
Terminal receiving the black test lead as a common reference.
- ⑧ PC-Link interface

LCD and Symbol



No.	Symbol	Meaning
1		Indicator for auto power off
2		Indicator for DC voltage or current
3		Indicates negative readings
4		Indicator for AC voltage or current
5	PC-LINK	The Meter is in the data transmission mode.
6	AUTO	The meter is in the Autorange mode in which the meter automatically selects the range with the best resolution.
7	MANU	The meter is in the Manual Range mode in which the user selects the range.
8	MAX MIN	Display maximum/ minimum data
9	H	The meter is in Data Hold mode. When delay-hold is selected, the HOLD symbol will be blinking for 6 seconds.
10	REL	The meter is in Relative Measurement mode.
11	P-MAX P-MIN	Indicating the display value being the PEAK maximum value,the PEAK minimum value. (Only the true RMS+PEAK meter)
12		The sub-display usually shows sub-measurement mode or some special reading.
13		Low battery indication
14		The meter is in Continuity Check mode.
15		The meter is in Diode Test mode.
16		Measurement units
17		The second function is enabled.
18		Analog bar, indicating the measurement value with a graphic mode
19		The main-display for the meter's measurement value, showing all the measurement values

Contents



L190 x W90 x D42mm
L7.5''x W3.5''x D1.7''
412g/ 0.91lb



Battery 9V
6F22 x 1



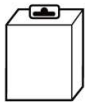
Accessories

Test Leads
K-type Thermocouple
Battery



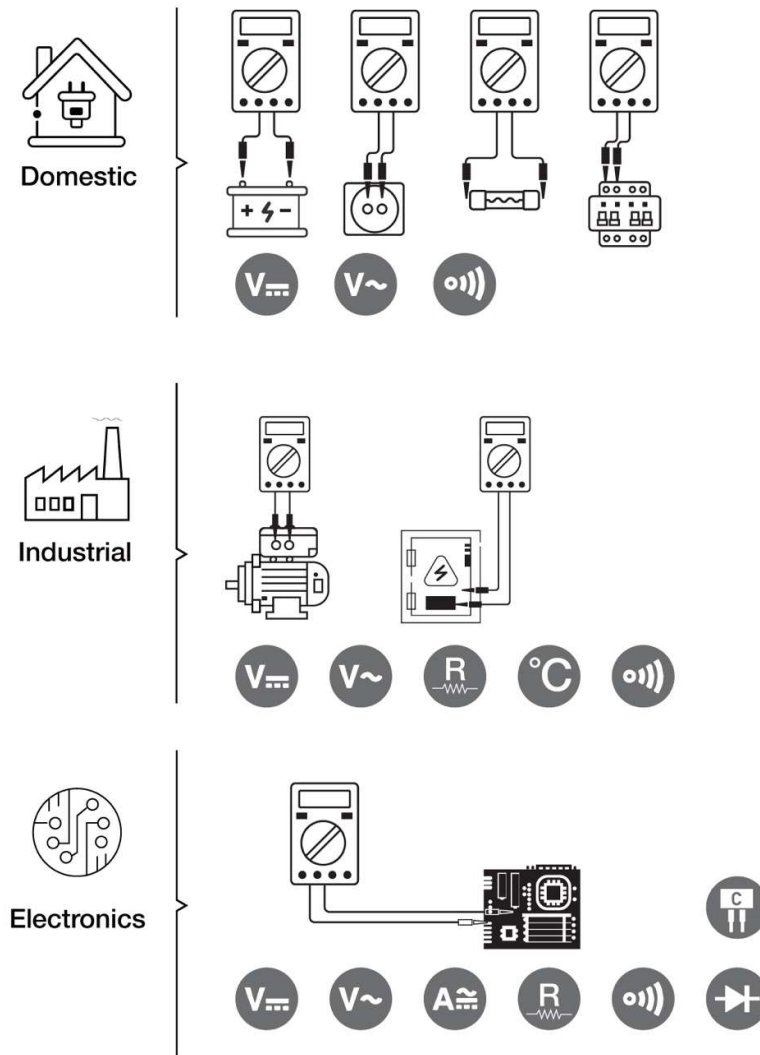
User
Manual

Packaging Information



Color Box
L 163 X W 66 X H 233mm

Main Applications



Order Details

Stock No.	Brand	Product Name	Multimeter Type	Functions Measured	Digit Resolution
296647	RS Pro	Digital Multimeters	Handheld	Auto Range, 1000V AC/DC, 10A AC/DC, Ω , CAP, Hz, $^{\circ}C$, USB, BarGraph	-