



DM-9960 Multimeter

for all kind of magnitudes, big display with bar graph, very fast Peak measurements > 1 ms, frequency up to 40 MHz, CATIII 1000V standard

The DM-9960 multimeter has both manual and automatic range selection as well as a dual indicator with a numerical value up to 3999 and a analogue bar graph with 40 segments where the measurement values can be easily read and changes can be quickly detected. This multimeter has a range up to a maximum of 40 MHz and can offer you innovative possibilities for conventional measurements, for Peak measurements of impulse input of >1ms as well as for highly accurate frequency measurements up to 40 MHz. The DM-9960 multimeter comes with a complete input protection and it meets the CAT III 1000 V standard. The different functions are selected easily by pressing the corresponding keys. The multimeter has an automatic range selection for DC voltage, AC voltage, DC current, Ohms, measurement of diodes, transit, capacitance, frequency and temperature.

- Analogue graph bar with 40 segments
- Battery indicator
- Measurement value, minimum / maximum value and maintenance of the peak value
- Measurement of the relative value
- Diode test
- Transit test
- Automatic range selection
- Automatic shut-off
- Security: IEC-1010-1; CAT III 1000 V






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Technical specifications

Function	Measurement range / Accuracy / Resolution
DC Voltage	400 mV / $\pm 0,5 \% + 2 \text{ dgt.}$ / 100 μV 4 V / $\pm 0,8 \% + 1 \text{ dgt.}$ / 1 mV 40 V / $\pm 0,8 \% + 1 \text{ dgt.}$ / 10 mV 400 V / $\pm 0,8 \% + 1 \text{ dgt.}$ / 100 mV 1000 V / $\pm 0,8 \% + 1 \text{ dgt.}$ / 1 V
AC Voltage	400 mV / $\pm 1,0 \% + 2 \text{ dgt.}$ / 100 μV 4 V / $\pm 1,0 \% + 2 \text{ dgt.}$ / 1 mV 40 V / $\pm 1,0 \% + 2 \text{ dgt.}$ / 10 mV 400 V / $\pm 1,0 \% + 2 \text{ dgt.}$ / 100 mV 1000 V / $\pm 1,0 \% + 2 \text{ dgt.}$ / 1 V
DC / AC Current	0,4 mA / $\pm 1,0 \% + 2 \text{ dgt.}$ / 0,0001 mA 4 mA / $\pm 1,5 \% + 2 \text{ dgt.}$ / 0,001 mA 40 mA / $\pm 1,0 \% + 2 \text{ dgt.}$ / 0,01 mA 10 A / $\pm 1,5 \% + 2 \text{ dgt.}$ / 10 mA

Resistance	400 Ω / ± 1,0 % + 2 dgt. / 0,1 Ω 4 kΩ / ± 1,5 % + 2 dgt. / 1 Ω 40 kΩ / ± 1,5 % + 2 dgt. / 10 Ω 400 kΩ / ± 1,5 % + 2 dgt. / 100 Ω 4 MΩ / ± 1,5 % + 2 dgt. / 1 kΩ 40 MΩ / ± 3,0 % + 5 dgt. / 10 kΩ
Capacitance	4 nF / ± 3,0 % + 1 dgt. / 1 pF 40 nF / ± 3,0 % + 1 dgt. / 10 pF 400 nF / ± 3,0 % + 1 dgt. / 0,1 nF 4 μF / ± 3,0 % + 1 dgt. / 1 nF 40 μF / ± 3,0 % + 1 dgt. / 10 nF 400 μF / ± 3,0 % + 1 dgt. / 0,1 μF 4 mF / ± 3,0 % + 1 dgt. / 1 μF 40 mF / ± 3,0 % + 1 dgt. / 10 μF
Frequency	4 kHz / ± 0,5 % + 2 dgt. / 1 Hz 40 kHz / ± 0,5 % + 2 dgt. / 10 Hz 400 kHz / ± 0,5 % + 2 dgt. / 0,1 kHz 4 MHz / ± 0,5 % + 2 dgt. / 1 kHz 40 MHz / ± 0,5 % + 2 dgt. / 0,01 MHz
Temperature	-20 °C ... +750 °C / ±1 % + 2°C / 1°C
Indicator	20mm LCD display with bar graph
RS-232 interface	yes
Power	2 x 1,5 V micro batteries
Dimensions	88 x 185 x 40 mm
Weight	350 g

Delivery contents 1 DM-9960 multimeter, testing cables, 2 micro batteries and user's manual.	
Optional accessories - ISO calibration certificate for companies that wish to include this device in their set of internal testing tools or for annual recalibrations. The ISO certificate includes a laboratory calibration and a control document with all the measurement values. The ISO calibration certificate can be done in voltage (AC / DC) or in current (AC / DC).	
- Amp clamp adaptor Adaptor for indirect measurement of current up to 1000A without interrupting the cable. - Range: 200 / 1000A DC / AC - Accuracy: ±1.5 / 2% - A DC zero reset Dimensions: 190 x 64 x 33mm Maximum diameter of cable: 33.5mm	
- Revolution adaptor Adaptor with revolutions sensor and 1m cable. For optical measurement of revolution between 100 and 20,000 RPM in two ranges. - 0.1mV DC / 1 RPM (range 1) - 0.1mV DC / 10 RPM (range 2)	

<ul style="list-style-type: none"> - Dimensions: 190 x 73 x 37mm 	
<ul style="list-style-type: none"> - Pressure adaptor <p>Adaptor with pressure sensor and 1m cable. For absolute measurement of pressure between 3.5 and 3500kPa.</p> <ul style="list-style-type: none"> - Accuracy: $\pm 1\%$ (up to 1700 kPa); $\pm 2\%$ (up to 2400 kPa) and $\pm 5\%$ (up to 3500 kPa) - Resolution: 0.1/ 1 kPa - Dimensions: 100 x 50 x 25mm; 1/4" sensor. 	
<ul style="list-style-type: none"> - Humidity adaptor <p>Adaptor with humidity sensor in a handle and with 1m cable.</p> <ul style="list-style-type: none"> - Range: 10 to 95% r.h. - Accuracy: $\pm 3\%$ r.h. - Resolution: 0.1% r.h. - Dimensions: 100 x 50 x 25mm 	
<ul style="list-style-type: none"> - Light adaptor <p>Adaptor with light sensor and 1m cable.</p> <ul style="list-style-type: none"> - Three ranges: 0 to 2000 / 0 to 20,000 and 0 to 50,000 lux - Accuracy: $\pm 5\%$ - Resolution: 1, 10, 100 lux - Dimensions: 100 x 50 x 25mm 	
<ul style="list-style-type: none"> - Air velocity adaptor <p>Adaptor with an air velocity sensor and 1m cable.</p> <ul style="list-style-type: none"> - Range: 0.2 to 30 m/s; - Accuracy: $\pm 2\%$ - Resolution: 0.1 (m/s; km/h; knots) - Dimensions: 100 x 50 x 25mm. 	
<ul style="list-style-type: none"> - Sound adaptor <p>Adaptor with sound sensor and 1m cable. A-weighting; can be externally calibrated (PCE-SC 41 calibrator)</p> <ul style="list-style-type: none"> - Ranges: 30 to 130dB (in three ranges) - Accuracy: $\pm 1.5\text{dB}$ (IEC 651 class II) - Dimensions: 107 x 53 x 29mm 	
<ul style="list-style-type: none"> - EMF adaptor <p>Adaptor with EMF sensor and 1m cable.</p> <ul style="list-style-type: none"> - Range: 0 to 20 microTesla / 200 milliGauss - Accuracy: $\pm 4\%$ - Resolution: 0.1 μTesla / 1 milliGauss - Bandwidth: 30 to 300 Hz - Dimensions: 100 x 50 x 25mm 	

