

MD 9020 General Purpose Digital Multimeter

The MD 9020 is a high-quality digital multimeter, designed for everyday use in the laboratory and for maintenance and repair work in the field and in the industrial sector as well.

MEASURING FUNCTIONS:

- AC, DC voltage measurement;
- AC, DC current measurement;
- Capacitance measurement;
- Resistance measurement;
- Diod test;
- Frequency measurement;
- Continuity test (acoustic signalling);
- Temperature measurement.

KEY FEATURES:

- **Temperature measurement:** measures temperature in Celsius up to 300 °C and in Fahrenheit up to 572 °F.
- **Frequency measurement:** up to 1 MHz.
- **Lead alert:** incorrect lead connection alert.
- **Auto-ranging:** user can switch between auto and manual ranging.
- **Relative zero mode:** relative function for comparing the difference between signals or removing background noise.
- **Data Hold:** data hold feature freezes the display for later view.
- **MAX Hold:** MAX hold feature freezes the maximum measured value.
- **Safe:** CAT IV / 300 V, CAT III / 600 V and CAT II / 1000 V overvoltage protection.

APPLICATION:

- Mid level electrical testing;
- Mid level electronic fault finding;
- Field servicing;
- General purpose.

STANDARD SET:

- Multimeter MD 9020 with rubber holster
- Test lead with probe, 2 pcs
- 1.5 V battery, type AAA, 2 pcs
- Instruction manual
- Warranty



TECHNICAL SPECIFICATION:

Function	Range	Accuracy
DC voltage	400.0 mV ... 1000 V	from ±(0.3 % of reading + 4 digits) to ±(1.0 % of reading + 4 digits)
AC voltage (50 ... 500 Hz)	400.0 mV ... 1000 V	from ±(1.5 % of reading + 5 digits) to ±(4.0 % of reading + 5 digits)
DC current	400.0 µA ... 10.00 A	from ±(1.2 % of reading + 3 digits) to ±(2.0 % of reading + 5 digits)
AC current	400.0 µA ... 10.00 A	from ±(1.5 % of reading + 4 digits) to ±(2.0 % of reading + 6 digits)
Diode test	Open-circuit voltage <1.6 V _{bc} , Test current 0.25 mA	
Resistance	400.0 Ω ... 40.00 MΩ	from ±(0.6 % of reading + 4 digits) to ±(2.0 % of reading + 4 digits)
Temperature	-20 °C ... 300 °C	±(2.0 % of reading + 3 °C)
Frequency	50.00 Hz ... 1.000 MHz	±(0.5 % of reading + 4 digits)
Capacitance	500.0 nF ... 3000 µF	±(3.5 % of reading + 6 digits)
Power supply	2 x 1.5 V batteries, type AAA	
Overvoltage category	CAT IV / 300 V; CAT III / 600 V; CAT II / 1000 V	
Dimensions	198 x 97 x 55 mm	
Weight	396 g	