

Digital Multimeter

Hioki DT-4253

The Hioki DT 4253 digital multimeter that can measure AC/DC voltage, resistance, frequency, continuity, and diode testing. It has a maximum display of 4000 counts, which means it can display up to 3999 as the highest value on the screen. It is designed to withstand harsh environments, with a rugged exterior and a protective holster. Additionally, it comes with a one-year warranty from the manufacturer.

Applications: Electrical, Electronic, and Automotive troubleshooting

The Hioki DT 4253 digital multimeter that can measure voltage, current, resistance, frequency, and temperature. It has a 3-3/4 digit display and can measure AC/DC voltage up to 600V, AC/DC current up to 10A, resistance up to 40MΩ, frequency up to 10MHz, and temperature up to 1000°C. This Digital multimeter have a features like continuity buzzer, data hold, and auto power-off function. The meter is compact, easy to use, and designed for both professional and personal use.

Features of Hioki Digital Multimeter:

- Auto-ranging measurement
- True RMS measurement for accurate readings of non-sinusoidal waveforms
- Dual display for simultaneous - measurement of two parameters
- Data hold function to freeze the current reading on the screen
- Relative measurement function to subtract a known value from the current reading
- Low battery indicator and auto power off to conserve battery life



Manufacturer	Hioki
Model No	DT 4253
Measuring Parameters	AC voltage, DC Voltage, Resistance, Frequency, Continuity Check, Diode test
DC Voltage	600.0 mV to 1000 V 5 ranges, Basic accuracy: $\pm 0.3\%$ rdg. ± 5 dgt.
AC Voltage	6.000 V to 1000 V, 4 ranges, Frequency characteristics: 40 Hz to 1 kHz Basic accuracy 40 - 500 Hz : $\pm 0.9\%$ rdg. ± 3 dgt. (True RMS, crest factor 3)
AUTO AC/DCV	Yes
Resistance	600.0 Ω to 60.00 M Ω , 6 ranges, Basic accuracy: $\pm 0.7\%$ rdg. ± 5 dgt.
DC Current	60.00 μ A to 60.00 mA, 4 ranges, Basic accuracy: $\pm 0.8\%$ rdg. ± 5 dgt.
AC Current	10.00 A to 1000 A, 7 ranges, Add the Clamp on probe accuracy to basic accuracy 40 - 1 kHz : $\pm 0.9\%$ rdg. ± 3 dgt. (True RMS, crest factor 3)
Temperature	K: -40.0 to 400.0 $^{\circ}$ C , Add the Temperature probe accuracy to basic accuracy: $\pm 0.5\%$ rdg. ± 2 $^{\circ}$ C
Capacitance	1.000 μ F to 10.00 mF, 5 ranges, Basic accuracy: $\pm 1.9\%$ rdg. ± 5 dgt
Frequency	99.99 Hz to 99.99 kHz, 4 ranges (limited by the minimum detectable voltage), Basic accuracy: $\pm 0.1\%$ rdg. ± 1 dgt.
Continuity check	Continuity threshold [ON]: 25 Ω or less , [OFF]: 245 Ω or more, Response time: 0.5 ms or more
Diode Test	Open terminal voltage: 5.0 V or less, Testing current 0.5mA or less, Threshold of forward voltage: 0.15 V to 1.5 V
Other Functions	Filter function, display value hold, auto hold, MAX/MIN/Average value display, relative value display, auto-power save, USB communication (option), 4-20 mA percentage conversion
Display	Main and Sub displays: 4-digits LCD, max. 6000 digits, bar graph
Power Supply	LR03 alkaline batteries $\times 4$, Continuous use: 130 hours (backlight OFF)
Supply Scope	Test lead L9207-10 $\times 1$, Holster $\times 1$, Instruction manual $\times 1$, LR03 alkaline battery $\times 4$
Dimension	84 mm (3.31 in)W \times 174 mm (6.85 in)H \times 52 mm (2.05 in)D, 390 g (13.8 oz) (including batteries and holster)

Temp | Humidity | Pressure | Differential Pressure | Vacuum | Gases | Particle | Air Flow
Moisture | Dissolved Oxygen | Radiation | Air Quality | Light / Lux | Distance | Vibration

Instrukart Holdings

Ph : +91 (40)40262020 | Mob : +91 88865 50506;

Email : info@instrukart.com | www.instrukart.com

Head Office: #18, Street-1A, Czech Colony, Sanath Nagar, Hyderabad -500018, INDIA.

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