

# Digital Multimeter

## Hioki DT-4282

Hioki DT-4282 Digital Multimeter is a versatile and high-performance tool designed to measure various electrical parameters with accuracy and precision. This Hioki 4282 is an advanced multimeter that is suitable for professionals who require high-quality measurement tools for testing and troubleshooting in electrical circuits.

*Applications: Electrical, Electronic, and Automotive troubleshooting.*

*Hioki DT-4282 Digital Multimeter is a high-precision 60,000 count digital multimeter with direct 10A input and all the functions and features required for advanced testing in laboratories and R&D. This Digital Multimeter has advanced features like filter function (remove harmonic noise, use only at 600 V AC, 1000 V AC ranges), display value hold, auto hold, MAX/MIN value display, PEAK value display, relative value display, sampling setting, internal memory (400 data), auto-power save, USB communication (option), mis-insertion prevention shutters, decibel conversion, 4-20 mA percentage conversion.*

### Features of Hioki Digital Multimeter:

- Refreshment rate of 5 times/s
- Large LCD display
- Measure ripple voltage of DC charging systems
- Measurement data can be downloaded to, reviewed on, and saved to a computer.





Manufacturer	Hioki
Model No	DT-4282
Measuring Parameters	AC Voltage, DC Voltage, Resistance, DC Current, AC Current, Capacitance, Continuity Check, Diode Test, Frequency, DB Conversion and Temperature
DC Voltage	60.000 mV to 1000.0 V, 6 ranges
Accuracy	±0.025 %
AC Voltage	60.000 mV to 1000.0 V, 6 ranges
Accuracy	45 - 65 Hz
DC + AC Voltage	6.0000 V to 1000.0 V, 4 ranges, Frequency characteristics: 20 Hz - 100 kHz Basic accuracy 45 - 65 Hz : ±0.3 % rdg. ±30 dgt. (True RMS, crest factor 3)
Resistance	60.000 Ω to 600.0 MΩ, 8 ranges
Accuracy	±0.03 %
DC Current	600.00 μA to 10.000 A, 6 ranges
Accuracy	±0.05 %
AC Current	600.00 μA to 10.000 A, 6 ranges
Accuracy	45 - 65 Hz
Peak	DC V measurement: Signal width 4 msec or more (single), 1 msec or more (repeated) AC V, DC/AC A measurement: Signal width 1 msec or more (single), 250 μsec or more (repeated)
Capacitance	1.000 nF to 100.0 mF, 9 ranges, Basic accuracy: ±1.0% rdg. ±5 dgt
Continuity Check	Continuity threshold: 20/50/100/500 Ω, Response time: 10 ms or more
Diode Test	Open terminal voltage: 4.5 V or less, Testing current 1.2 mA or less, Threshold of forward voltage: 0.15 V to 3 V, seven stages
Frequency	AC V, DC+AC V, AC A measurement, at pulse width 1 μs or more (50 % duty ratio) 99.999 Hz (0.5 Hz or more) to 500.00 kHz, 5 ranges, ±0.005 % rdg. ±3 dgt.
dB conversion	Standard impedance setting (dBm), 4 Ω to 1200 Ω, 20 stages Display dB conversion value of AC voltage (dBV)
Temperature	-40.0 °C to 800.0 °C
Display	Main and Sub displays: 5-digits LCD, max. 60000 digits
Power Supply	LR6 (AA) alkaline batteries ×4, Continuous use: 100 hours
Supply Scope	Test Lead L9207-10 ×1, Instruction Manual ×1, LR6 Alkaline Battery ×4
Dimensions	93 mm (3.66 in) W × 197 mm (7.76 in) H× 53 mm (2.09 in) D
Weight	650 Grams

Temp | Humidity | Dew Point| Differential Pressure| Vacuum| Light / Lux| Sound | Air Flow  
 Moisture | Dissolved Oxygen | Server Room | Air Quality | Gases | Distance | Vibration

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