

Digital Volt Meter

| Digital Volt Meter |
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| Tool Type: Electronics / measurement |
| Location: Innovation Workshop |
| Description: Digital voltmeter |
| Manufacturer: Fluke |

About

Measures AC voltage, DC voltage, AC current, DC current, capacitance, conductance, frequency, resistance, temperature (K)

Detailed Specifications

- Max voltage measurement: 1000 V
- Basic AC voltage accuracy: $\pm(0.7\% + 2)$
- Basic DC voltage accuracy: $\pm 0.05\% + 1$
- Max current measurement: 10 A
- Basic AC current accuracy: $\pm(1.0\% + 2)$
- Basic DC current accuracy: $\pm(0.2\% + 2)$
- Max resistance measurement: 50 MOhms
- Resistance measurement accuracy: $\pm 0.2\%$
- Max capacitance measurement: 9999 μF
- Min capacitance measurement: 10 pF
- Capacitance measurement accuracy: $\pm(1\% + 2)$
- Max frequency measurement: 200 kHz
- Min frequency measurement: 0.5 Hz
- Frequency measurement accuracy: $\pm(0.005\% + 1)$
- Max temperature measurement: 1,994 $^{\circ}\text{F}$
- Min temperature measurement: -328 $^{\circ}\text{F}$

Reference Documentation

From:

<https://microfluidics.cnsi.ucsb.edu/wiki/> - Innovation Workshop Wiki

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