

DC Meter (DCM)

Making electronic diagnostics for EOD applications simple

KEY FEATURES

- Enhanced technical specifications for EOD diagnostic procedures
- Reduced internal resistances for inline current measurements
- Probe detection and isolation feature for voltage, current and resistance measurements
- Full functionality self-test on start up
- Internal hot-chargeable lithium-ion battery
- Low profile 3 button user interface

NSN: 6625-99-443-6343 Not for onward dissemination without approval of Trimax

For further product information or demos, contact:

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TECHNICAL SPECIFICATION

- > Weight: 338g (11.92oz)
- > Dimensions: 118mm x 72mm x 45mm (4.65" x 2.83" x 1.77")
- > Operational temperature range -10°C to 40°C (14F to 104F)
- > 6 hours of operational use
- > Ruggedised PA12 enclosure
- > Insulated stackable banana plug connectors to prevent unintended connections
- > Supplied with 1m test leads in either ultra-flexible silicone or hardwearing PVC
- > Diagnostics and calibration via micro-USB port
- > Battery percentage displayed during use
- All PCBs and soldering adhere to IPC-3 standards (aerospace, military and medical applications)
- ightarrow DCM undergoes detailed calibration and testing. Individual test records are
- > stored and available upon request



VOLTAGE

- > Operational range +/- 100V DC
- > Maximum resolution of 1mV DC
- > Internal resistance >10 $M\Omega$
- > Measurements displayed in base SI units V

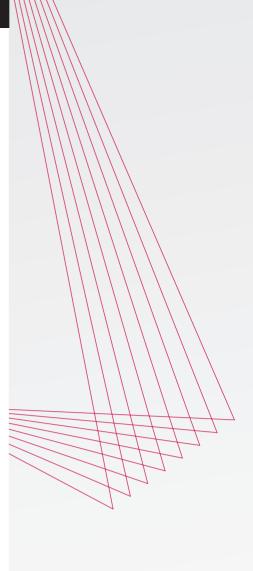
CURRENT

- > Operational range +/- 1A DC
- > Maximum resolution of 1µA DC
- > Measurements displayed in pre-fixed SI units mA
- **>** Low internal current sense resistors normal mode 0.1Ω , precision mode 10.1Ω
- > Industry standard normal mode 1.8Ω , precision mode 100Ω
- Ability to switch between normal current mode and precision current mode without breaking the circuit
- > Recommends precision current mode when measuring <10mA
- > Safety feature: Will not go into precision mode when measuring ≥10mA

RESISTANCE

- \rightarrow Operational range $5M\Omega$
- > Maximum resolution 0.01Ω
- > Auto-ranging capability $\Omega/K\Omega/M\Omega$
- > RDT resistance matching function







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