

# 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

## 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)
- › DCM undergoes detailed calibration and testing.
- › Individual test records are stored and available upon request.

NSN: 6625-99-443-6343  
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For further product information  
or demos, contact:

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## VOLTAGE

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

## CURRENT

- › Operational range +/- 1A DC
- › Maximum resolution of 1 $\mu$ A DC
- › Measurements displayed in pre-fixed SI units mA
- › Low internal current sense resistors – normal mode 0.1 $\Omega$ , precision mode 10.1 $\Omega$
- › Industry standard – normal mode 1.8 $\Omega$ , precision mode 100 $\Omega$
- › 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  $\geq$ 10mA

## RESISTANCE

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



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