

DCM6-L

Battery Monitoring

DATA COLLECTION MODULE

01 APPLICATIONS: The DCM6-L is designed for low-voltage monitoring and is ideal for applications that require:

- Continuous monitoring of 2-volt lead-acid or NiCad cells
 - Stable operation in demanding telecom and utility environments
 - Reliable detection of cell degradation in large, low-voltage battery strings
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02 KEY FEATURES:

- Designed specifically for 2-volt cells
 - Includes built-in protection against reverse polarity and surges
 - Measures ohmic values (internal resistance), voltage, temperature, and strap resistance with precision
 - Compact design for easy installation in space-restricted systems
 - Provides real-time data to identify failing jars early
 - Integrates seamlessly with other Cellwatch modules
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WHAT SETS THE DCM6-L APART?

- Purpose-built for 2-volt cells
- Enhances long-term reliability of low-voltage battery systems
- Offers accurate monitoring for small-cell strings

04 TAILORED FOR LOW-VOLTAGE STRINGS: The DCM6-L delivers precise monitoring of 2-volt cells. From telecom to utilities, the DCM6-L ensures stable operation and early detection of failing jars, protecting critical low-voltage systems.



05 DCM6-L: Low voltage monitoring data collection module.

Product Codes	
761001	DCM6 L 8 Pin
761002	DCM6 L with Temperature Probes
761003	DCM6 L 8 Pin with Din Rail
761005	DCM6-L w/Temp Probes and Din Rails
761008	DCM6 LV with Temp Probes and Extended Leads
761001-CC	DCM6-L-w/ Charger Cable
761003-CC	DCM6-L-CC Din Rail

06 Technical Specifications

Environmental	
Operating Temperature	0 - 60 °C
Relative Humidity	5 - 85% non-condensing
Maximum Altitude	3,000 m (10,000 ft)
Power Supply (Full Functionality)	4 - 12 VDC
Power Supply (Voltage & Temp)	3 - 12 VDC

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Technical Specifications

Protection Transient Suppression Short Circuit Protection Reverse Polarity Protection Insulation Resistance	600W Internal 4-amp fuse Any combination 1000 MΩs >1Kv		
Operating Current Quiescent Current Sleep Current after 25 hours Current During Ohmic Test	12 mA <2 mA 1.5 A		
Standard Measurement Characteristics Voltage Ohmic Value Enhanced Measurement Characteristics Requires Activation Voltage Ohmic Value Temperature -ve post (optional)	Range 0 - 12 volts 0 - 5mΩ 0 - 12 volts 0 - 5mΩ 2 - 80 °C	Resolution 15 mV 6.3μΩ 2mV 6.3μΩ 0.01 °C	Accuracy 0.1% +/- 15mV 2% +/- 15 μΩ 0.1% +/- -5mV 2% +/- 8 μΩ +/- 1 °C
Included Accessories Mounting Pads	3M Dual Lock pads included for installation		
Optional Accessories Base Plate Mount DIN Rail Mount	Optional base plate with mounting holes Optional base plate with DIN rail mount		
Mechanical Fiber Optic Range Dimensions Mounting Pads Enclosure Material Wire Lead Length Optional base plate with mounting holes Optional base plate with DIN rail mount	150mm (6 in) - 50m (150 ft) 4.2" × 3.1" × 0.9" (107 mm × 80 mm × 23 mm) 3M Dual Locks™ ABS 36-72 inches		