

DCM6-H

Battery Monitoring

DATA COLLECTION MODULE

01

APPLICATIONS: The DCM6-H is designed for higher-voltage jars and is ideal for applications that require:

- Monitoring 4–16 volt lead-acid or NiCad cells
 - Oversight of higher-voltage jars in enterprise or utility systems
 - Reliable measurement in diverse and demanding environments
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KEY FEATURES:

- Designed for 4-16 volt cell containers
 - Tracks ohmic values (internal resistance), voltage, temperature, and ripple
 - Provides accurate data for predictive maintenance
 - Supports NiCad as well as lead-acid battery chemistries
 - Protects against over-voltage, over-current, and reverse polarity
 - Integrates with Cellwatch systems for complete visibility
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03

WHAT SETS THE DCM6-H APART?

- Supports 4-16 volt cells, including NiCad
- Adds ripple monitoring capability for enhanced insight
- Offers reliable performance across mixed battery systems

04 VERSATILITY FOR HIGHER VOLTAGE JARS: The DCM6-H delivers accurate monitoring across 4-16 volt cells, including lead-acid and NiCad. With ripple detection and robust protection, it provides flexibility and confidence in demanding systems.



05 DCM6-H: High voltage monitoring data collection module.

Product Codes	
762001	DCM6 H
762002	DCM6 H w/ Temp Probes
762003	DCM6-H with DIN Rail
762005	DCM6 H w/ Temp Probes and Din Rail Mounts
762007	DCM6-H Extended Lead 72"
762008	DCM6-H Extended Lead 72"with Temp Probe

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)	12 - 80 Volts DC

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Technical Specifications

Protection Transient Suppression Short Circuit Protection Reverse Polarity Protection Insulation Resistance	600W Internal 1-amp fuse Any combination 1000 MΩs >1Kv		
Operating Current Quiescent Current Sleep Current after 25 hours Current During Ohmic Test	12 mA <2 mA 0.5 amps		
Standard Measurement Characteristics Voltage Ohmic Value Enhanced Measurement Characteristics Requires Activation Voltage Ohmic Value Temperature -ve post (optional)	Range 0 - 80 volts 1 - 25.9mΩ 0 - 80 volts 1 - 50mΩ 0 - 400 mVAC rms 2 - 80 °C	Resolution 15 mV 6.3μΩ 2mV 1μΩ 2 mv 0.01 °C	Accuracy 0.1% +/- 15mV 1.5% 0.1% +/- -5mV 1.5% 2% +/- 5 mv +/- 1 °C
Fiber Optic Specification Optic Cable Sheathing Fiber Optic Range	Acrylic Fluorine-containing polymer Min: 150 mm (6 in) / Max: 50 m (150 ft)		
Mechanical Dimensions Mounting Pads Enclosure Material Wire Lead Length Optional base plate with mounting holes Optional base plate with DIN rail mount	4.2" × 3.1" × 0.9" (107 mm × 80 mm × 23 mm) 3M Dual Locks™ ABS 36-72 inches		