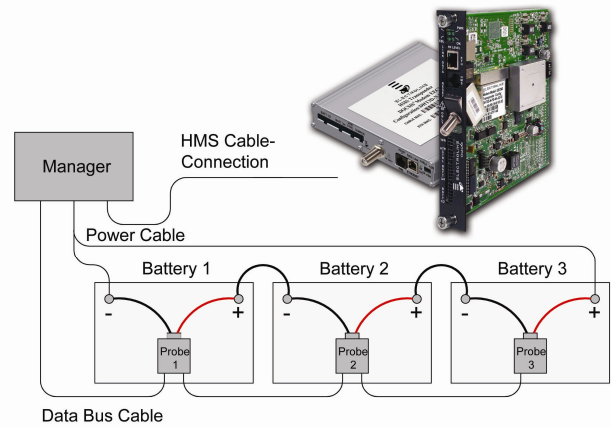


Battery Manager

Conductance test and battery charge equalizer



Description

The Electroline Battery Manager and associated Probes are a unique product because never before has the combination of battery charge equalization and conductance testing been integrated and combined into one product.

Testing for the internal resistance is used to determine and track the health of a battery. The inverse of resistance is known as conductance and is presented in units of Mhos or Siemens. Typically the field maintenance staff with specialized test equipment performs conductance testing locally and manually. When the battery manager is coupled to the status monitoring transponder resistance is measured automatically and reported via the Web Server and viewable by maintenance staff on a Web Browser. The SNMP management agent makes data accessible to compatible management system software applications.

Features

- Designed to work with the latest DOCSIS transponders
- Adapt to SCTE HMS protocol
- Remote Monitor with Web Browser Access
- Up to 8 batteries per string
- Up to 4 strings

Benefits

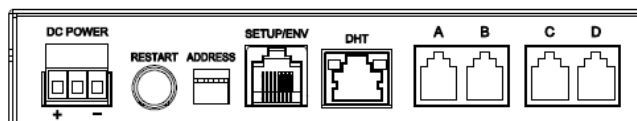
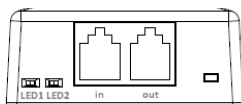
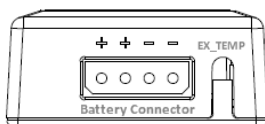
- Longer Battery Life
- Assures Battery Readiness
- Battery Health Awareness
- Efficient Maintenance Scheduling
- Remote Testing
- Safe Testing

Specifications

Battery Manager	
Model	DTA-BM-CP-04
Electrical	
Input DC Voltage Range	15~60Vdc
Power Consumption	< 5W
Circuit Protection	DC fuse
Features	
Number of monitored strings	4
Number of batteries per string	8 (the max. transmission length 4m)
String Voltmeter Resolution	100 mV
Under voltage cutoff / resume	Cutoff: string voltage < 10.5V * batt-per-string Resume: string voltage ≥ 12V * batt-per-string
Communication	
Management Interface	RS-485 interface to DHT
Local Interface	RJ45 (firmware upgrade, optional with environment sensor)
Indicators	1 Green PWR LED and 4 Green String LEDs
Mechanical / Environmental	
Dimensions (cm)/(in)(WxDxH)	16.0 x 10.0 x 2.9 cm / 6.30 x 3.94 x 1.14 in
Net Weight (kg)/(lbs)	0.405Kg / 0.89 lb
Appearance Color	Black color
Appearance Housing	Metal material/ Wall mount
Operating temperature range	-40C to 60C

Battery Probe	
Model	DTA-BP-CP-01
Electrical	
Battery Rating Voltage	12V
Battery Rating Capacity	5~600Ah
Input Voltage Range	8~15V
Battery Resistance Range	0.5~60mΩ
Battery Leakage Current (Off)	< 100uA
Equalization Current (Avg/Peak)	50mA/ 1.5A
Power Consumption	Normal operation <300mW
Circuit Protection	DC fuse
Equalization Acceptable Voltage	>13.2V
Features	
Internal Resistance Resolution / Accuracy	0.1mΩ / 2% typ, 5% max (referenced to Hioki 3554 tester)
Voltmeter Resolution / Accuracy	100 mV / <2%
Charge Balance	+/- 100mV typical
Communication	
Management Interface	RJ25 interface to coordinator and battery sensor
Indicators	1 Green LED and 1 Red LED
Local Addressing Button	None
Isolation	Optically isolated from sensor photo coupler
Firmware Update	User upgradeable firmware via coordinator
Mechanical / Environmental	
Dimensions (cm)/(in)(WxDxH)	5.5 x 8.0 x 2.5 cm / 2.17 x 3.15 x 0.98 in
Net Weight (kg)/(lbs)	0.051 kg / 0.11 lb
Battery Interface	Ring terminal with 18" wire
Appearance Color	Black color
Appearance Housing	High impact plastic
Operating temperature range	-40C to 60C

Note: Specifications are subject to change without notice.



For more information on our products, please visit: www.electroline.com or call: 800-461-3344