**Wireless Battery Identification Device**

High-speed data collection. Records every nuance of the operation. Samples both current and voltage 10 times per second. The data is not grouped into events, but is continuously stored. This is to help truly understand what the battery has experienced through its life.

**Lifetime data.** Retains all data for the entire life of the battery – 7 full years of data!

**Data communications.** Facilitates rapid fleet wide overview with the ability to drill down to examine an individual battery in great detail by using two different wireless systems for optimal performance in either mode. One for a comparative view and one to capture the complete lifetime data.

**Charger communication via DC cables.** Provides charger with the proper settings for this individual battery as well as its actual temperature. 100% backward compatible with other AMETEK chargers.

**Temperature measurement.** Measure on the mounting tab, the electrolyte, or a combination of both.

**Flexible device interface.** User-configurable external interface allows site specific installations. Available devices include: Electrolyte temperature sensor, electrolyte level sensor, programmable LED indicators.

**Graphical fleet management software.** Facilitates data analysis & report generation.

**Single model solution.** One model works with any battery from 12-40 cells.

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**Part Numbers for WBID and Accessories**

- 198900 – WBID Kit (12-40 Cell)
- 198901 – Site Probe Kit (12-40 Cell)
- 198823 – Electrolyte Temperature Kit
- 198848 – Electrolyte Level Kit
- 19853 – Remote LED Kit
- 198894 – Sensor Installation Kit: Battery jar drill bit
- 198893 – Repair Kit: each color of wire and several heat shrinkable splices
- 191897 – Installation drill bit (3/16”) and NO-OX-ID grease

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**Monitor Battery and Charger Usage 24/7 For a Lifetime!!**
Memory Depth
8 Gigabytes of storage allows retention of high-speed and statistical data for 100% of the battery’s lifetime with no gaps or data loss.

Data Storage Rates
Peak current is sampled at 100 samples per second and is stored with average current and voltage measurements at 10 samples per second. Additionally, 5-minute summary values are calculated and stored for voltage, current, ampere-hours, and temperature, to name a few.

External Sensors
User configurable sensor ports allow multiple temperature and level sensors as required for each specific site. Two separate temperature sensors can be installed to determine battery temperature and reported to the charger as the average, minimum, or maximum of the two.

Remote LED Indicators (Programmable)
LED’s can be user-configured to light above or below a threshold. Current, voltage, temperature, or level can be used to trigger the indicator.

12-40 Cell Operation
One device can be used for all typical battery applications. The lower limit on input voltage allows the WBID to function well below 1 volt per cell in 12 cell batteries, allowing data logging to remain fully operational during any battery state of charge or truck current draw.

External Enclosure
Solid mounting and potted electronics allow battery monitor to be rugged and survive conditions on a flooded battery.

Communication over DC Cables
WBID communicates with the charger to specify the proper cell count, battery capacity, battery type, and start rate prior to start of charge and battery temperature throughout the charge.

Communication via WID
Simultaneously evaluate multiple batteries for fleet overview using 14-day statistics on AH usage, minimum voltage, temperatures, and charge details.

Communication via WIFI
Fast, direct, one to one connection with WBID to download large log files with ease. A standard browser and laptop are used to interact with the WBID which has its own unique network address and menu system.

Fleet Management Software
Quick and easy analysis of data retrieved from the WBID using the DataLink facility analyzer. Convenient zooming, scrolling, and report generation allow you to communicate effectively with customers.

Battery Backed Real-time Clock
The WBID incorporates a non-volatile real time clock to retain the time of day even if the device is temporarily removed from the battery or the voltage goes below 10 VDC.

Backward compatible to all BID capable chargers
Any BID-capable charger can communicate with and configure the charge cycle based on the WBID settings as well as temperature correct the charge curve.

Wide Temperature Range Operation
The WBID is rated from -15F to 180F, permitting applications ranging from freezers to high temperature fast charge facilities.

Heat Shrink Sealed Connections
The WBID uses improved ring terminals with adhesive lined heat shrink tubing. This protection combined with corrosion protection grease insures high quality, long lasting electrical connections to the battery posts.

Site Probe
An alternate version of the WBID, the Site Probe is shipped with a length of 4/0 cable terminated on either end with an Anderson SR350 gray connector. The Site Probe is designed to collect information on new sites or to audit sites to diagnose potential problems. Special data analyst tools are provided to understand charging opportunities, idle time, and amp hours consumed.

Charger Neutral
Neither WBID nor Site Probe require AMETEK chargers to log battery information. The DataLink fleet analysis solutions provided on AMETEK chargers will simplify resource management within fleets, but are not required.
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Technical Details

Sample DataLink Screens

WID Communication Screen

Average and Maximum Current

Daily Ampere Hours

Voltage Average and Minimum

Charge Opportunity and Amp Hour Out
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