

# TOBi P.I. Wi-z

Total On-board Battery information - wirelessly

## WIRELESS DATA TRANSFER

Automatically Downloads Data - FAST & EASY



Transmit wirelessly up to 100 feet



Works independently of other wireless networks and will not cause interference with existing Wi-Fi networks. Auto selects between 16 channels.

### Stores 4000 Previous Battery Events

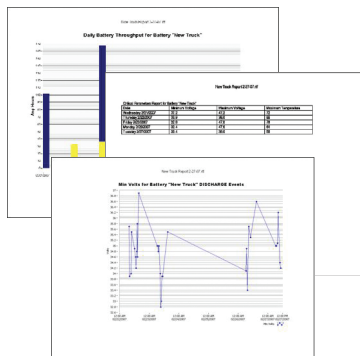
- ✓ Monitor and record battery temperature
- ✓ Monitor and record electrolyte level
- ✓ Monitor and record amp hour thru-put
- ✓ Monitor and record battery voltage
- ✓ Monitor and record charge/discharge cycles
- ✓ Lifetime data record
- ✓ Monitor and record battery idle time

### Use the TOBi Wi-z with a charger with P46-303 control and you can:

- Temperature compensate charge.
- Charge different amp hour batteries of same DC voltage with one charger.
- Select separate charge algorithms for different batteries with one charger.

### Quickly generate meaningful reports for managing your battery fleet.

Uncover battery issues **before** they become EXPENSIVE problems.



- 1 Sleek, compact size - 3.5" long x 1.56" wide x .875" high. Easily fits at or below most battery intra-cell straps.
- 2 Composite molded enclosure.
- 3 Waterproof.
- 4 Battery acid resistant.
- 5 Combination thermistor and electrolyte indicator.
- 6 Electrolyte level sensor maintains a record of electrolyte levels for proper battery maintenance and diagnosis.
- 7 LEDs for temperature and water level status.
- 8 Easy installation. NO welding of shunts. NO straps to remove. 15 minute installation by non-technical personnel.
- 9 All new TOBi Report Suite.
- 10 Lower price!



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**TOBi P.I.**  
Uncover the truth  
about battery performance

# TOBi P.I. Wi-z

Total On-board Battery information – wirelessly

The TOBi Wi-z allows you to monitor the usage and health of your battery on a daily basis. It captures and stores critical lifetime data which facilitates replacement budgeting and battery warranty.

- 1 Critical battery parameters are continuously monitored and recorded.
- 2 Lifetime amp-hours throughput data are recorded.
- 3 Lifetime minimum, maximum and average battery temperature is recorded.
- 4 Used as a diagnostic tool, continuous monitoring of battery events allows for accurate identification of performance issues.
- 5 Continually monitors and records electrolyte levels and gives red LED indicator on face of the TOBi PI Wi-z when attention is required.
- 6 The TOBi Wi-z excels at identifying performance indices for an application. This allows for better asset management such as implementing opportunity charging or identifying a need for additional batteries in fleet. Armed with accurate, timely information, you can re-assign assets based on different shift demand and usage.

When a charger equipped with the P46-304 control is connected to a TOBi Wi-z equipped battery, the P46-303 Control can communicate with the TOBi Wi-z and battery.

- 1 Battery charge data can be stored in the TOBi Wi-z and communicated to the charger so that a customized charge is delivered.
- 2 Real time battery temperature readings allow the charger to deliver a temperature compensated charge. As the battery temperature rises, the charger control automatically adjusts the output of the charger – protecting the battery from dangerous over-heating.
- 3 Batteries of different DC voltages and/or amp-hour size can be charged with the same Charging Technologies, Inc High Frequency charger.

TOBi Wi-z Battery Module Pt # 038-483

TOBi Wi-z Software and Coordinator (USB) Pt. # 038-465

## Battery Monitoring and Data Recording

## Battery and Charger Communication

