

BITE™ Receiver

Battery Impedance Test Equipment Receiver



- **Used with the original BITE, BITE2 and BITE2P.**
- **Measures cell impedance and voltage within 3 seconds.**
- **Measures impedance and dc voltage for lead-acid and nickel-cadmium cells.**
- **Download stored data to the PC and create custom reports automatically via the Power DB software.**

DESCRIPTION

The BITE Receiver is a direct replacement for the standard receiver supplied with the original BITE, the BITE2 and the BITE2P. It provides data storage capabilities without having to replace the BITE transmitter.

The receiver incorporates the potential leads, clamp-on current sensor, and data storage capabilities in one unit. The unit stores more than 2000 sets of data (cell impedance, cell voltage and interconnecting strap resistance).

At any time during a test, the operator can review the current test results by using arrow keys and scrolling back through the active test screen. If needed, the operator can retest any of the cells and straps in the current test.

Stored data also can be downloaded via the RS-232 connector directly to a PC via the Power DB software.

The clamp-on current sensor is connected to the receiver during testing and clamped around a convenient inter-tier or inter-cell connection within the loop created by the current source leads from the transmitter and the battery string.

If the inter-cell or inter-tier connection used consists of more cables than the diameter of the clamp-on current sensor can encompass, the receiver has a split strap function.

With the optional bar-code scanner, additional information can be recorded and stored such as location identification, ambient and pilot cell temperature.

APPLICATIONS

The BITE Receiver is used with the original Biddle BITE to test lead-acid and nickel-cadmium cells of less than 7000 Ah capacity.

The receiver is powered by an internal rechargeable NiMH battery pack. The batteries can be charged with a separate external charger.

FEATURES AND BENEFITS

- **On-line testing with no downtime.**
- **Calculates impedance automatically and stores results.**
- **Requires no battery discharge.**
- **Download stored data to the PC and create custom reports automatically via the Power DB software.**
- **Measures cell impedance and voltage within 3 seconds.**
- **Stores more than 2000 sets of data.**
- **Measures impedance and dc voltage values for all lead-acid and nickel-cadmium cells of less than 7000 Ah capacity.**

| ORDERING INFORMATION | |
|---|-----------------|
| Item (Qty) | Cat. No. |
| BITE2 / BITE2P Receiver Kit, 60 Hz | 246301 |
| Includes: P30620-3 receiver, current sensor, CT extension cable, communications cable, battery charger, 60Hz AC line cord, software, canvas carry bag and manual. | |
| BITE2 / BITE2P Receiver Kit, 50 Hz | 246301-47 |
| Includes: P30620-3 receiver, current sensor, CT extension cable, communications cable, battery charger, 50Hz AC line cord, software, canvas carry bag and manual. | |
| BITE2 / 2P Receiver (Receiver ONLY) | P30620-3 |
| Included Accessories | |
| Current sensor, 2 in. (50 mm) opening with 5 ft (1.5 m) lead | 2002-786 |
| CT extension cable, 20 ft (6 m) | 33864-2 |
| Communication cable, 6 ft (1.8 m) | 35340 |
| Battery charger | 33497-1 |
| AC line cord | 17032 |
| Power DB LITE | DB0001 |
| Canvas accessory bag | 29996 |
| Instruction manual | AVTM2463601J |
| Optional Accessories | |
| Current sensor 0.5 in. (12.7 mm) opening with 2.5 ft (0.8 m) lead | 246034 |
| CT extension cable, 6 ft (1.8m) | 33864-1 |
| Bar-code scanner with preprinted code sheet | 246201 |
| Bar-code labeling software | 246039 |