

RED-IBT RE-CALIBRATION PROCEDURE

It is recommended that the RED-IBT test leads and clips are inspected and tested to verify Ampere-hour (Ah) accuracy on an annual basis. If the leads/clips shown any sign of wear or if the meter displays significantly changeable or low Ah readings when repeat testing a brand new fully charged Yuasa NP12V -12Ah (C20hr rated) SLA battery, then the leads and clips must be replaced immediately using the RED-IBT-CALKIT.

IMPORTANT: The RED-IBT is software driven and has no internal adjustments for calibration.

The enclosed RED-IBT-CALKIT comprises of:-

- * 41cm (16.1") calibrated leads with attached clips.
- * Calibration diode.
- * Replacement labels.
- * Fitting Instructions.
- * Test Procedure.
- * Calibration Label.

WARNING: Re-calibration must be carried out by a competent person in accordance with these instructions. **NO LIABILITY IS ACCEPTED FOR ACCIDENTAL DAMAGE OR INJURY CAUSED.**



Step 1
Remove red top label.



Step 2
Remove four screws.



Step 3
Cut and remove old leads.



Step 4
Remove lead ends.



Step 5 Cut resistor link to PCB
(opposite end to leads).



Step 6
Remove link ends.



Step 7 Make link with supplied
Calibration Diode.



Step 8 Solder Diode link into
position (black band to resistor).



Step 9
Insert new leads.



Step 10 Solder into position
(WARNING: Observe polarity).



Step 11
Close unit up.



Step 12 Test, then fit
screws and new labels.

ACT-IBT INTELLIGENT BATTERY TESTER

IN-HOUSE CALIBRATION TEST RESULTS

Test results of engineers Intelligent Battery Testers must be compared against readings obtained from a Master Calibrated GOLD-IBT using a fully charged 12Volt 12Ah SLA battery maintained at an ambient temperature between 20C - 25C (68F - 77F).

Instrument Information

Serial Number of in-house Calibrated IBT _____

Serial Number of engineers IBT _____

Test Interval: 3 6 12 Months

IMPORTANT: BEFORE TESTING, CARRY OUT A VISUAL INSPECTION TO ENSURE THAT THE IBT LEADS AND CLIPS ARE NOT WORN OR BROKEN AS THIS WILL SIGNIFICANTLY AFFECT THE AMPERE-HOUR READING OBTAINED.

Test each IBT and record the readings obtained below. **SPECIAL NOTE: Repeat testing will normally cause the Ambient Temperature of the Master GOLD-IBT reading to increase. Disregard recording of IBT ambient temperature when repeat testing as this has no influence on the Voltage or Ah readings obtained.**

Acceptable Voltage Readings: 12.30 - 13.80VDC.

Acceptable Ah Readings @ 20 - 25C (68 - 77F): 11.00 - 13.65Ah.

	Calibrated IBT:	Engineers IBT:	Pass:	Fail:
DC Voltage:	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ampere hour (Ah):	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

TEST DATE: _____ RE-TEST DATE: _____

TESTED BY: _____ SIGNATURE: _____

COMMENTS: