

TECHNICAL MANUAL
CALIBRATION PROCEDURE
FOR
WRIST STRAP TESTER

746

(3M)

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1 CALIBRATION DESCRIPTION:*Table 1*

Test Instrument (TI) Characteristics	Performance Specifications	Test Method
Go Nogo	Range: 750 k Ω to 10 M Ω Accuracy: $\pm 10\%$, 10 M Ω ; 0 to +20%, 750 k Ω	Apply a known resistance and monitor TI indication

2 EQUIPMENT REQUIREMENTS:

Noun	Minimum Use Specifications	Calibration Equipment	Sub- Item
2.1 DECADE RESISTOR	Range: 700 k Ω to 11 M Ω Accuracy: $\pm 2\%$	Shallcross 833	Gen-Rad 1433H

3 PRELIMINARY OPERATIONS:

3.1 Review and become familiar with entire procedure before beginning calibration process.

3.2 The TI may be operated on an internal 9 V battery or with an AC/DC power adapter. If TI is doperated on the 9 V battery, the AC/DC adapter must be disconnected from TI jack.

4 CALIBRATION PROCESS:**NOTE**

Unless otherwise specified, verify the results of each test and take corrective action whenever the test requirement is not met, before proceeding.

4.1 GO NOGO CALIBRATION:

4.1.1 Connect one terminal of the Decade Resistor to one of TI wrist strap jacks and the other terminal to the metal contact plate.

4.1.2 Depress and hold TI metal contact plate and apply each resistance value listed in Table 2.

4.1.3 The TI LED must illuminate for each corresponding applied resistance.

Table 2

Applied	LED
750 k Ω	Red
900 k Ω	Green
9.0 M Ω	Green
11 M Ω	Red

4.1.4 Disconnect and secure all equipment.

CALIBRATION PERFORMANCE TABLE

Not Required