

View Online at <https://aerobasegroup.com/nsn/6685-01-253-7705>

**Overall Length:**

1.800 inches

**Overall Height:**

2.700 inches

**Overall Width:**

3.000 inches

**End Application:**

P/n 501580-001; f107-wr101/400 turbofan engine

**Product Name:**

Thermocouple junction compensation module, type k

**Special Features:**

Self powered item by 3 replaceable standard aaa type cells; battery life 500 hours continuous; on/off power switch; operates over a range of 10 to 50 degrees c; compensation accuracy +/- 1/4 degrees c at 25 degrees c, +/- 1/2 degrees c from 15 to 35 degrees c ambient, and +/- 3/4 degrees c from 10 to 50 degrees c ambient; output impedance less than 100 ohms

**Functional Description:**

Used in testing, calibrating, or troubleshooting the icats thermocouple temperature measurement system, or individual type k thermocouple probes; when used with the thermocouple calibrator produces outputs, or reads inputs, referenced to 32 degrees f, 0 degrees c, and automatically compensates for ambient temperature changes

**General Description:**

To use the compensator it is plugged directly into the top terminal posts of the t/c calibrator; the thermocouple probe or the output cable is then plugged into the top of the compensator; using the t/c junction compensation module eliminates the need for an ice bath

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No