



4350 TEMPERATURE TEST CHAMBER

- Temperature can easily be set, stepped, and slewed
- Multiple user-defined temperature tables can be stored in memory
- Full 20-character by 4-line alpha/numeric display and keypad
- Actual measured temperature displayed
- Failsafe sensor with easily set limits
- Over-temperature sensor protects against thermal run-away
- Remote operation via IEEE-488 bus or RS-232C communication link
- TTL I/O lines for remote device control



SPECIFICATIONS

Temperature Range:

- 55 to + 200 degrees C / LC0₂
- 65 to + 200 degrees C / LN₂

Rate of Temperature Change (Unloaded):

30 degrees C / min.(115V), 60 degrees C / min. (230V)

Stability:

+/- 0.20 degrees C

(including effects of line voltage, ambient temperature between 15 and 45 degrees C, and aging)

Uniformity:

+/- 0.3 degrees C from - 40 to + 80 degrees C

+/- 1.5 degrees C Max. from - 65 to - 40 degrees C and 80 to 200 degrees C

(Measurements taken from within 1" [2.54 cm] from chamber walls)

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TEMPERATURE CONTROL

- Resistance of platinum resistance sensor converted to digital values
- Internally stored mathematical polynomials convert digital values to temperature
- Calibrated digitized temperature compared to user-set temperature
- Four-point calibration provides greater accuracy

FIXTURE OPTIONS

- Windows, feed through cabling, edge-card connections, or cable ports customized to user specifications

CHARACTERISTICS

Voltage:

190-250 VAC, 50-60 Hz, 4.6 KVA maximum or 95-125 VAC, 50-60 Hz, 2.3 KVA maximum

Dimensions:

Internal:	External: (excluding latches and hinges)
12.00 inches wide (30.5 cm)	18 inches wide (45.7 cm)
12.00 inches deep (30.5 cm)	25 inches deep (63.5 cm)
8.00 inches high (20.3 cm)	15 inches high (38.1 cm)

Weight:

45 lbs. (20.4 kg.)

Coolant Options:

LCO₂ or LN₂

LCO₂ Usage:

7 lbs/hr at – 55 degrees C, typical

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