S&A

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° C / LCO_2
- 65° to +200° C / LN_2

Rate of Temperature Change (Unloaded)**:**

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

Stability:

± 0.20° C

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

Uniformity:

± 0.3° C from -40° to +80° C

± 1.5° C Max. from -65 to -40° C and 80° to 200° 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:

LCO_2 or LN_2

LCO_2 Usage:

7 lbs/hr at -55° C, typical

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