

- **Stability:**  $\pm 0.1^{\circ}$  C including effects of line voltage, ambient temperature and aging
- **Uniformity:**  $\pm 0.2^{\circ}$  C component area
- **Temperature Range:**  $-55^{\circ}$  C to  $+150^{\circ}$  C ( $+200^{\circ}$  C max. temperature optional)
- **Rate Change:** See figures 1A and 1B
- **Energy Use:** 150 Watts to maintain  $+150^{\circ}$  C  
3.5 lbs./hr CO<sub>2</sub> to maintain  $-55^{\circ}$  C
- **Voltage:** 190 - 250 VAC, 50 - 60 Hz 4.6 KVA Max. or  
95 - 125 VAC, 50 - 60 Hz 2.3 KVA Max.

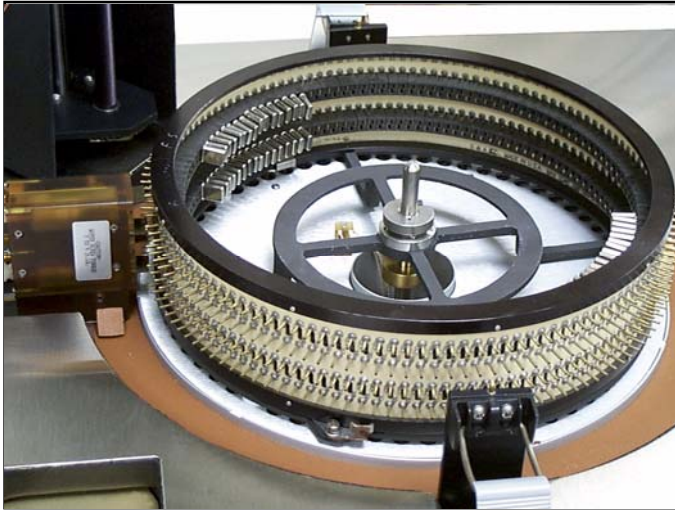


Specifications are valid for the chamber equipped with a four inch high cover, a component support wheel and a dual row crystal test wheel installed

- **Coolant:** LN<sub>2</sub> or CO<sub>2</sub>
- **Programmable Keyboard:** Programmable keyboard allows temperature to be set, stepped (at user-defined increments), slewed (at user-defined rates) and cycled
- **Remote Operation:** Chambers may be remotely controlled via IEEE bus or RS232C port
- **Flexible Tooling:** Can be easily customized for testing needs

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Chamber cover removed exposing rotating fixture. Test heads may be fixtured from 2 to 48 contacts. Up to 254 parts may be tested in one chamber (depending upon components tested).

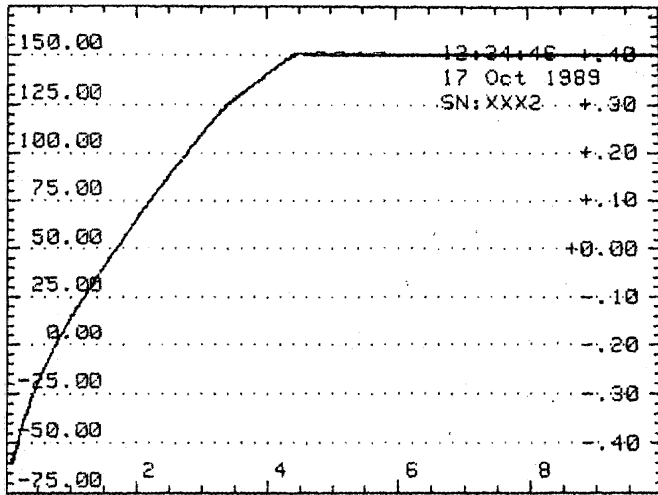


Figure 1A: Temperature transition -60° to +150°C (X-axis in minutes)

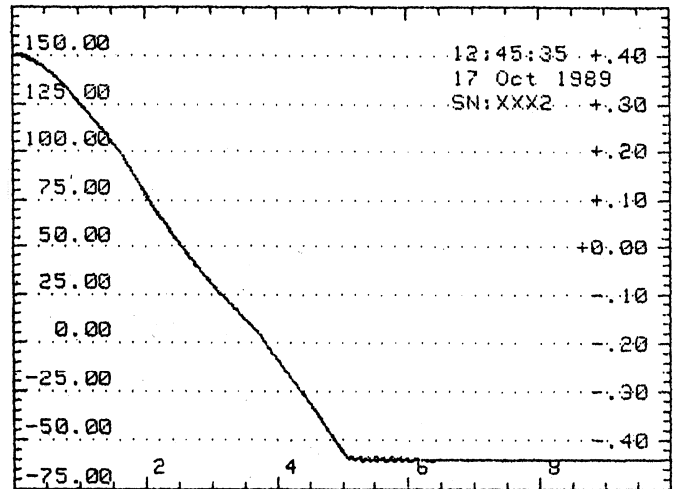


Figure 1B: Temperature transition +150° to -60° C (X-axis in minutes)

Figures 1A and 1B show the temperature transition of the 4220 chamber from one end of the temperature range to the other.

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