

CR-2 Cryogenic Aircraft Hygrometer

Applications:

- Stratospheric research aircraft
- Calibration Standard

Specifications:

- Ricor K548 rotary Stirling-cycle tactical cryocooler
- Dew/Frost Range: -100 to +30°C *
- Response time: less than 40 seconds from -100 to -40°C
- less than 1 second from -40 to +30°C
- Resolution: 0.01°C
- Accuracy: $\pm 0.1^\circ\text{C}$
- Sample Flow Rate: 0.25 to 3 liters/min
- Sample Pressure: 0 to 30 psia
- 0 to 10v and 4-20 mA scaleable analog output
- RS232 Serial I/O
- Dimensions: main unit: 10x10.5x3.5 inches, Weight: 7 lbs.
- Heat sink and fan adds 3.5 inches and 3 lbs.
- Display unit: 8x8x6.5 inches, Weight: 3.5 lbs.
- Power Requirement: 40 W , 100-240 vac @ 50-60 Hz

*Dependent upon ambient temperature.

