

## 1011C Chilled Mirror Aircraft Hygrometer

### Applications:

- Research aircraft
- Aircraft engine noise certification
- Weather modification

### Specifications:

- 3 Stage TE Cooler
- Dew/Frost Range: -75 to +50 °C \*
- 85 °C Depression
- Resolution: 0.01°C on RS-232 output
- Accuracy:  $\pm 0.1^\circ\text{C}$  on analog and RS-232 outputs
- Sample Flow Rate: 0.25 to 3 liters/min
- Sample Pressure: 0 to 15 psia (0 to 1100 mb)
- 0 -10V and 4-20 mA Scaleable Analog Outputs
- RS-232 Serial I/O with user adjustable parameters
- Dimensions:
  - Power unit: 6x6x12 inches, Weight: 3.5 lbs
  - Control/Indicator unit: 3.25x3.25x6 inches, Weight 1.25 lbs
  - Sensor : 2.5x2.5x4 inches, Weight 1.6 lbs
- Power Requirement: 28vdc @ 3 amps
- Optional temperature regulated pressure sensor for precise mixing ratio calculations

\*Dependent upon ambient temperature and sensor unit body temperature.

