



Dual Barometer System 278

S9080

- **Dual high 0.5 mbar accuracy altimeter**
 - **Very stable over time**
 - **Proven technology**
 - **Low power consumption**

This Dual Barometer System has a fundamentally simple design and thermally stable glass fused ceramic sensing capsule is coupled with sophisticated capacitance charge-balance IC circuit where accurate signal conditioning and environmental compensation is performed. The sensor provides excellent thermal expansion coefficient and low mechanical hysteresis, which contributes to the long-term stability.

To withstand the environmental extremes typically found in Automated Weather Systems (AWS) applications, this model housing is constructed of stainless steel and polyester. A 5-pin terminal strip is provided for connection to datalogger and signal connections, and a 1/8" Barbed fitting is used for pressure connection.





Technical Specifications

S9080

Measurement

Range: 600 - 1100 hPa (mbar)
Resolution: 0.01 mbar
Accuracy: +/- 0.5 hPa (mbar) at +20°C (+68°F)

Electrical

Input Voltage: 12 VDC nominal
Current: 8 mA
Output Signal: 0 - 5 VDC differential

Environmental

Operating Temperature: -40°C to +60°C (-40°F to +140°F)

PHYSICAL

Size: 59 x 60 x 25 mm (2.3 x 2.4 x 1.0 in)
Weight: 0.25 kg (0.5 lbs)
Material: Stainless steel case