

AVAILABLE
with Signature
Calibration
SEE PG. IN-4

Vacuum Transducers

Models V and VS

10" H₂O TO 15 PSIV

AMPLIFIED OUTPUT AVAILABLE

HERMETIC STAINLESS



SENSOTEC Models V and VS transducers measure vacuum, provide a variety of output options, and deliver full scale accuracy up to 0.1%. These units feature all-welded, stainless steel construction and are hermetically sealed for excellent durability in harsh industrial environments. These vacuum units measure up to 15 psiv as well as positive pressure. Output, available in mV, V, or mA, is expressed as positive for vacuum and negative for pressures above atmosphere.

PERFORMANCE

Model V
±0.25% Accuracy
Order Code BP513

Model VS
±0.1% Accuracy
Order Code BP514

Pressure Range*	10" H ₂ O to 15 psiv
Accuracy	±0.25% or ±0.1%, F.S.
Output (nom)	
0-15 psiv	3mV/V for 0.1%, 5mV/V for 0.25%
0-5 psiv	3mV/V
0-2.5 psiv	5mV/V
0-1 psiv	5mV/V
0-10" H ₂ O	3mV/V

ENVIRONMENTAL

Temperature, Operating	-40°F to 225°F (-40°C to 107°C)
Temperature, Compensated	
up to 2.5 psiv	40°F to 110°F (4°C to 43°C)
5 and 15 psiv	40°F to 140°F (4°C to 60°C)
Temperature Error Band (comb. zero & span)	
10" H ₂ O	±1.5% FS max
1 to 2.5 psiv	±1.0% FS max
5 to 15 psiv	±0.5% FS

ELECTRICAL

Excitation (calibration)	10 VDC
Bridge Resistance	5000 ohm
Wire Code (std)	#2, page AP-6
Overload Safe	
Vacuum	to 15 psiv
Pressure	4x

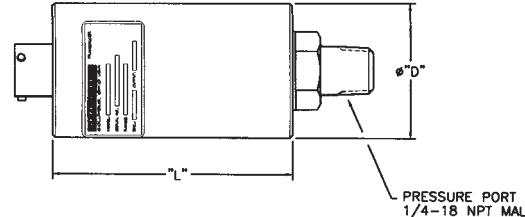
Dimensions

Model V, 0.25% (Order Code BP513)

Model VS, 0.1% (Order Code BP514)

Model V, Silicon (Order Code BP516)

Available Ranges	L" (amplified)	L" (unamplified)	D"
0-10" H ₂ O to 0-15 psiv	3.3	2.0	1.5



Options (See Appendix)

* Calibration in inches of water or inches of mercury also available.
Temperature compensated 1b, 1c, 1d, 1e; Internal amp 2a, 2c, 2j, 2k; Signature calibration 53e; Pressure ports 5a; Electrical termination 6e, 6f, 6g, 6h

Premium Options: 3d; 5c, 5d; 6b, 6i, 6j

Accessories: Mating connectors and connector/cable assemblies; Pressure port adapters