

TSD303 – BAROMETRIC PRESSURE TRANSDUCER (0 TO 15 PSI)

The TSD303 Barometric Pressure Transducer measures atmospheric barometric pressure in a range of 0 to 15 psi. It may be used in various applications where corrections for ambient environmental barometric pressure is required.

TSD303 and TSD302 may be used with the Ventilator Validation System [VVK100-SYS](#) to convert volumes from ATPD (ambient temperature pressure, dry) to STPD (standard temperature pressure, dry).

The TSD303 barometric pressure transducer connects directly to an AMI100D or an HLT100C via a 1.8 m cable.

SPECIFICATIONS

Pressure Range:	0-15 PSI (sea level barometric pressure = 14.7 PSI)
Scale:	267 mV/PSI
Output Voltage Range:	0.5 to 4.5 Volts
Resolution:	0.0011 PSI (MP160—no smoothing)
Accuracy:	±0.02% Full Scale @ 25 °C
Linearity:	±0.25% Full Scale
Burst Pressure:	45 PSIA
Lifetime Drift:	±0.5% Full Scale
Operating Temperature Range:	-10 °C to +110 °C
Mounting:	Hook/Loop
Dimensions:	20 mm OD, 15 mm high
interface:	IRJ11 Male Plug (6 pin) to AMI100D or HLT100C
Cable Length:	1.8 meters