

ASLT SERIES STANDARD PRESSURE & TEMPERATURE TRANSDUCER



The ASLT Series of Standard Pressure and Temperature Sensors have been designed for use in demanding motorsport and automotive testing industries; ideal for high precision data acquisition or control systems. These transducers can also be installed directly onto vehicles, as part of a test stand or dyno.

Offering a high level of reliability and endurance the ASLT is protected against the high vibration, shock and high temperatures found in motorsport. With a modular construction and programmable amplifier, this provides a fast delivery time for standard and custom configurations.

Pressure ranges are available between 1 to 400 Bar in either Absolute, Gauge or Sealed Gauge reference.

The industry standard 3-wire electrical connections for the Pressure and 2-wire for the Temperature allow configuration with most common ECU's and data logging systems.

TECHNICAL SPECIFICATIONS

Pressure Reference	Absolute, Gauge and Sealed Gauge
Standard Pressure Ranges (Bar)	1, 5, 10, 20, 35, 50, 100, 200, 400
Proof Pressure (Over range)	150% of Range
Burst Pressure	>300% of Range
Accuracy	±0.5% FS Combined Linearity & Hysteresis (CNLH)
Thermal Accuracy	Zero ±0.04% FS/°C (Sensitivity ±0.04% of Reading /°C)
Outputs	Press: 0.5V to 4.5V (±0.5%) Temp: NTC, 2-Wire 10KΩ@25°C or 2-Wire PT1000
Supply	5V (±0.5V) Ratiometric or 8-16Vdc
Operating Temperature Range	-20°C to +135°C
Compensated Temperature Range	0°C to +125°C
Construction	Alumina, EPDM, Stainless Steel and Viton
Electrical Connection	50cm 26AWG, 55Spec Wire + DR25 Sleeve
Process Connection (Thread Size)	Please see Part Number Configurator
Protection Class	IP67
EMC Protection & Vibration	EN E50082-1 and Mil-Std-810C, Curve L, 20G
Weight	54g (Including Cable)
Options	Cable Spec, Connector Fitted, Thread Size & Labelling

KA Sensors adopts a continuous development program which sometimes necessitates specification changes without notice.

Sensors For Motorsport

Features

- Built-In Temp. Sensor
- Rugged Construction
- 1 to 400 Bar Range
- Amplified Output
- ±0.5% Accuracy

Applications

- Coolant
- Brakes
- Water
- Boost
- Fuel
- Oil

kasensors.com
sales@kasensors.com
+44(0)1476 568057

ASLT 10.18

