

Data Sheet: BOSCH Fluid Pressure & Temperature Combined Sensor

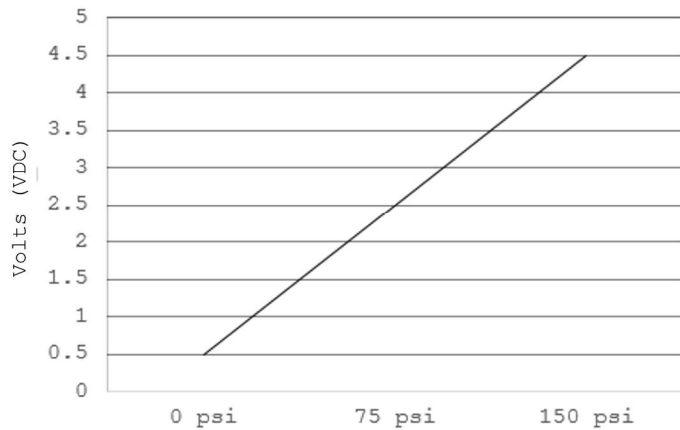
Serial No:
QA Code:

Thread: M10x1
Input Supply: 5VDC
BOSCH Cross Reference PN: PST-F1 [F02UV0U194-01]
Connector: Bosch Trapezoid [F02UB00751-01]

Application 1: 0-10BAR

Type: Pressure Transducer
Method: Piezoresistive Element
Input: 0 to 10BAR GAUGE
Output: 0.5 to 4.5VDC
Accuracy: +/-2%FS
Internal Seal: Silicone Cone
Mounting Seal: Base Seat

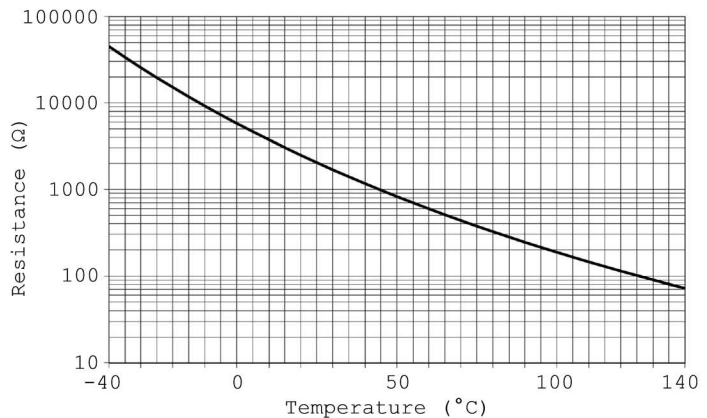
Pressure Output Signal 0.5 - 4.5 Volts



Application 2: -40-140°C

Type: NTC Thermistor
Input: -40 to 140°C
Output: 44,864 to 71.9Ω

Temperature Output Resistance

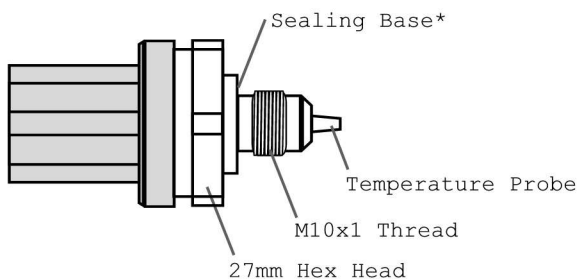


Calibration Table

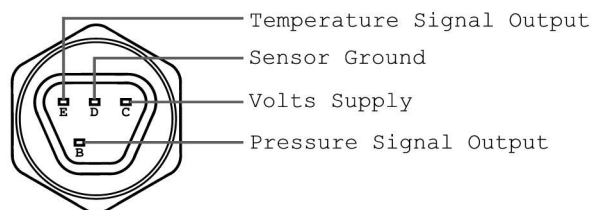
T [°C]	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
R [Ω]	44864	25524	15067	9195	5784	3740	2480	1683	1167	824	594	434.9	323	244	187	145	113	90	72

Pull-up resistor is required with an optimal value of 4.6kΩ.

Side Sensor View:



Rear Sensor View:



*To ensure a leak free fitment, the use of a crush washer must be used between the bases of the sensor & mating surface. Maximum tightening torque should not exceed 37.5NM (±2.5NM).