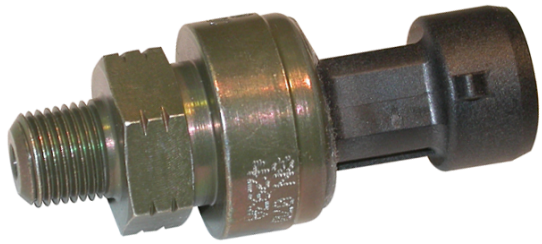
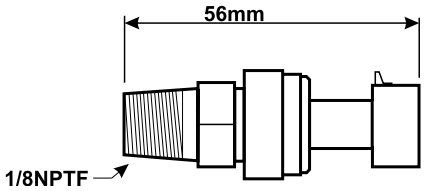
TI 500 PSI PRESSURE SENSOR

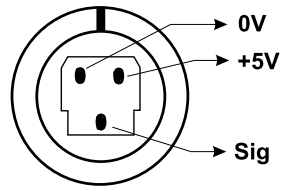


The 500 PSI (3446 kPa) TI pressure sensor is a 0 to 500 PSI gauge pressure sensor suitable for use with fluids in applications such as fuel, oil or coolant pressure.

SPECIFICATIONS



The TI pressure sensor is an analogue sensor with 0 to 5 V output (working range generally 0.5 V - 4.5 V). The sensor signal wire can be used with any Analogue Voltage (AV) input on compatible devices, see the signal pin table below.



Looking into sensor connector

Connection is to a regulated 5 V supply and 0 V sensor ground, and should be to the same device that is reading the signal. See the relevant MoTeC device documentation for pin numbers.

COMPATIBILITY

Suitable for use with:

- M84 ECU
- Hundred series ECUs
- M1 series ECUs
- All MoTeC data loggers

Connector

MoTeC connector part number: 65013

CALIBRATION

Manual Calibration

0.5 V = 0 PSI (0 kPa)

4.5 V = 500 PSI (3447 kPa)

Using the ECU Manager

For M84, M400, M600 and M800.

Use predefined calibrations:

#98 Pres(PSI) Ti 500PSI Abs

kPa: no predefined calibration available, use a custom table with manual calibration.

Using M1 Tune

For M130, M150, M170, M190, M141, M142, M181 and M182.

Use manual calibration for the sensor calibration table.

Using the Display/Logger Manager

For SDL3, ADL3, CDL3, C125, C185, C127 and C187.

Use the predefined calibration: Ti 0-500SIG NITRO.

ECU AVAILABLE SIGNAL PINS

M84	M400, M600, M800	M880	M130*	M150*	M170*	M190*	M141/M142*	M181/M182*
A15, A17, A25, B22	A14, A15, A16, A17, A25, B20, B21, B22	6, 7, 12, 18, 26, 35, 36, 44	A14, A15, A16, A17, A 25, B20, B21, B22	C14, C15, C16, C17, C25, D20, D21, D22, B10, B11, B12, B16, B17, B18, A3, A4, A5	A6, A7, A12, A18, A26, A35, A36, A44	C42, C36, C35, C28, C29, C11, C12, C6, C13, C7, A13 A35, A34, A41, A27, A28, A29, A38	C14, C15, C16, C17, C25, D20, D21, D22, B10, B11, B12, B16, B17, B18, A3, A4, A5	C42, C36, C35, C28, C29, C11, C12, C6, C13, C7, A13 A35, A34, A41, A27, A28, A29, A38

* Availability of some M1 series ECU pins may be limited depending on channel assignments for specific firmware packages.