



BOSCH 3 BAR TMAP SENSOR



This 3 Bar Manifold Absolute Pressure Sensor is suitable for engine load measurements on forced induction engines.

COMPATIBILITY

- MoTeC ECUs: M1 Series, Hundred Series and M84 ECUs
- MoTeC Displays/Loggers: All

Connector

MoTeC connector part number: 64015

CALIBRATION - Pressure and Temperature

Using M1 Tune

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

Select **Bosch 0281002845.1.0** from drop down list or use manual calibration.

NB: Pressure and Temperature must be calibrated separately.

Using ECU Manager

For M84, M400, M600, M800 and M880.

Use manual calibration.

NB: Pressure and Temperature must be calibrated separately.

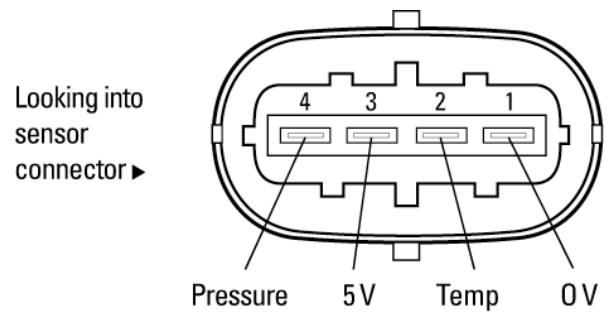
MANUAL CALIBRATION - Temperature

Volts	0.393	0.494	0.697	0.986	1.236	1.538	1.892	2.085	2.288	2.498	2.712	2.927	3.139	3.345	3.550	3.745	3.925	4.090	4.238	4.480	4.655
Deg C	130	120	105	90	80	70	60	55	50	45	40	35	30	25	20	15	10	5	0	-10	-20

SPECIFICATIONS

The Bosch pressure sensor is an analogue sensor with a 0 V to 5 V output. It also includes an inbuilt temperature sensor for measuring air temps.

The pressure sensor signal can be wired to an Analogue Voltage (AV) input on compatible devices, and the temperature sensor can be wired to an Analogue Temperature (AT) input, see Pin Tables (over page).



⇒ NOTE: Pressure and Temperature must be wired and calibrated separately. The ECU treats them as two different sensor inputs.

Using Dash Manager (Displays/Loggers)

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

Use manual calibration.

NB: Pressure and Temperature must be calibrated separately.

MANUAL CALIBRATION - Pressure

Volts	0.400 V	4.650 V
Kilopascals	20 kPa	300 kPa

► **ECU AVAILABLE SIGNAL PINS - Use For Pressure Sensor Pin 4**

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, A25, B20, B21, B22	C14, C15, C16, C17, C25, D20, D21, D22, B10, B11, B12	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

► **ECU AVAILABLE SIGNAL PINS - Use For Temp Sensor Pin 2**

M84	M400, M600, M800	M880	M130*	M150*	M170*	M190*	M141/M142*	M181/M182*
B3, B4, B5	B3, B4, B5, B6, B7, B19	28, 29, 30, 37, 38, 39	B3, B4, B5, B6	D3, D4, D5, D6, A1, A2	A28, A30, A38, A39	C37, C38, C39, C45, C46, C52	D3, D4, D5, D6, A1, A2	C37, C38, C39, C45, C46, C52

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