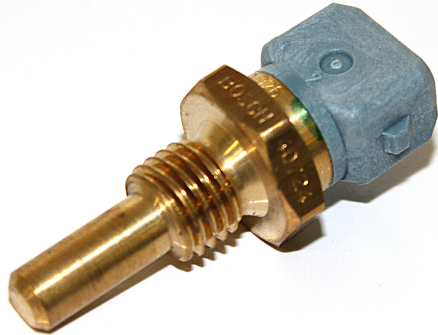


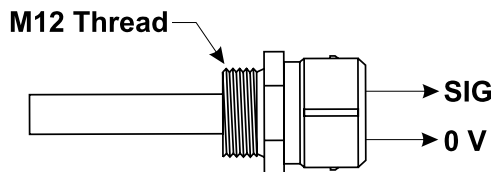


# BOSCH WATER TEMPERATURE SENSOR



The Bosch water temperature sensor is an analogue sensor with a general working range of -10 to 120 °C.

## ► SPECIFICATIONS



The Bosch water temperature sensor is an analogue sensor with a 0 to 5 V output (working range is generally 0.5 V to 4.5 V). The sensor signal wire can be used with any Analogue Temperature (AT) input on compatible devices, see the signal pin table below.

Connection is to a 0 V sensor ground, and is to the same device that is reading the signal. Both the 0 V and signal connection have no specific polarity and can be wired either way.

## Manual Calibration

°C	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160
V	4.845	4.770	4.653	4.479	4.239	3.926	3.546	3.133	2.687	2.263	1.859	1.513	1.216	0.976	0.785	0.629	0.506	0.410	0.332	0.271	0.224

## ► ECU AVAILABLE SIGNAL PINS

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.

## ► COMPATIBILITY

Suitable for use with:

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

## Connector

MoTeC connector part number: 64004

## ► CALIBRATION

### Using the ECU Manager

For M84, M400, M600, M800 and M880.

Use predefined calibrations:

#1 Temp(C): Bosch 2500ohm, or

#4 Temp(F) Bosch 2500ohm

### 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: Bosch 0 280 130 026.