



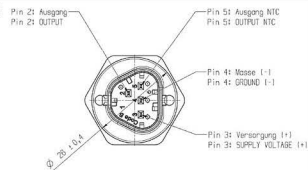
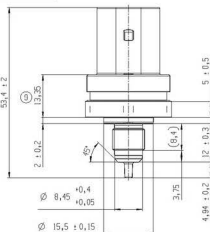
Liquid Press/Temp combined Sensor

0 261 230 482



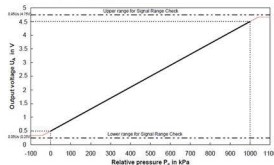
- 0 - 10.0 bar Pressure sensor for liquid
- -40 - 140°C Temperature sensor for liquid
- 45° cone seat, M10x1 fitting
- Bosch Trapez 5-pin connector - F02U.B00.751-01
- Suitable for diesel, gasoline, engine oil, transmission oil, E85

Disclaimer: Usage in off-Highway-applications and media not mentioned above have not been validated by Bosch.

Pinout**Dimensions****Characteristic Data**

$$U_{out} = (C_1 + C_2) U_S$$

where U_{out} = signal output voltage in V
 U_S = supply voltage in V
 p_r = relative pressure in kPa
 $C_1 = 0.1$
 $C_2 = 0.0008 \text{ kPa}^{-1}$



Temp. T in °C	Resistance R in Ω	Temp. T in °C	Resistance R in Ω
-40	44864	55	698.5
-35	33676	60	594
-30	25224	65	507.2
-25	19525	70	434.9
-20	15067	75	374.3
-15	11724	80	323.4
-10	9195	85	280.4
-5	7266	90	244
0	5784	95	213
5	4636	100	186.6
10	3740	105	164
15	3037	110	144.5
20	2480	115	127.8
25	2038	120	113.3
30	1683	125	100.7
35	1398	130	89.8
40	1167	135	80.2
45	978.9	140	71.9
50	825		

Output characteristic of Temperature sensor

Installation Notes: Maximum permissible overpressure is 2000kpa (20 bar). The surrounding system shall be designed in such a way that potential pressure peaks in the system do not exceed the permissible burst pressure of the sensor. Attention especially needs to be paid to hydraulic effects like cavitation and dynamic pressure shocks. Prevention of cavitation at the sensor shall be ensured in each operating state.

Installation torque : 37.5 ± 2.5 Nm | Mount with orifice pointing downwards : 0 to ± 45° from vertical | Supply voltage : 5.0 ± 0.25 V