

3 BAR (43 PSI) 5V Bosch MAP sensor

Technical data:

- Application: absolute air pressure (e.g. for boost pressure),
- Range: 0,2 - 3 BAR (3 – 43 PSI)
- Accuracy: +/- 1%
- Power supply: +5.0V DC
- Manufacturer: BOSCH

Wiring:

3-pin connector:

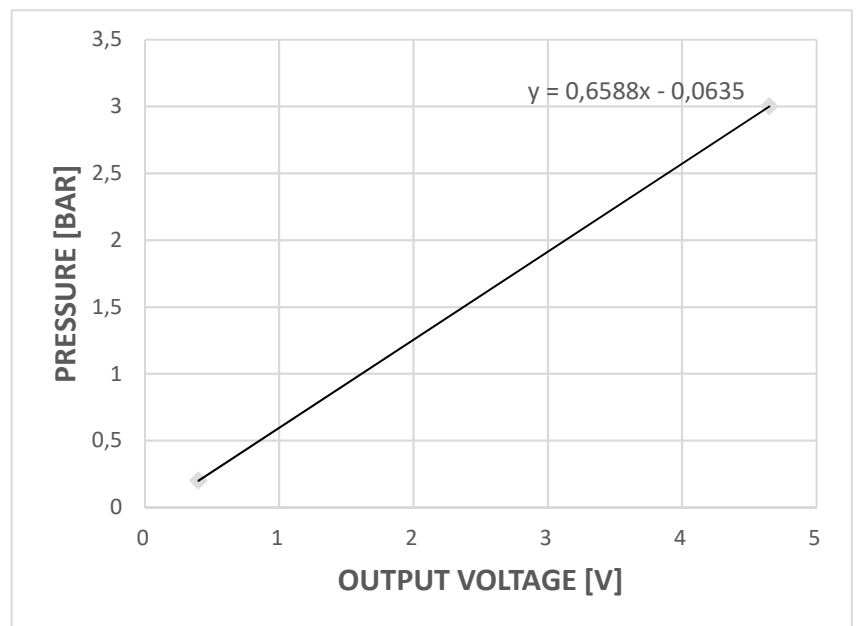
1. POWER (+5V DC)
2. GROUND (0V)
3. OUTPUT (0-5V)



**BOSCH 3 BAR 5V
MAP SENSOR**

Output:

U [V]	p [BAR]	p [PSI]
0,4	0,2	2,9
1	0,6	8,7
2	1,25	18,3
3	1,91	27,8
4	2,57	37,4
4,65	3	43,5



UTCMP calibration data:

a. Absolute air pressure

	a	B
3 - 43 PSI 0,2 - 3 BAR	0,66	-0,06

$$p [\text{bar}] = a * U [\text{V}] + b$$

b. Boost only (without atmospheric pressure)

	a	B
-14 .. +29 PSI -1 .. +2 BAR	0,66	-1,06