

Model 641 Pressure Sensor

FEATURES

- Any Range Between 0 to -1,1,2...30 bar
- 1.0%FS & 0.5%FS Total Accuracy
- MEMS technology
- Programmable ASIC to meet customer specifications
- Silicon pressure sensor
- Amplified and temperature compensated



DESCRIPTIONS

Model 631 incorporates MEMS technology and custom Application Specific Integrated Circuit (ASIC) technology in the design. It applied the silicon sense chip and is specifically designed for low pressure in the tough automotive application.

Model 631 is designed to perform in the underhood harsh environment such as temperature extremes, vibration, thermal and mechanical shock, and corrosive chemical.

SPECIFICATIONS

Electrical:

Supply Voltage	5.0 ± 0.5VDC /8-36V
Supply Current	6 mA Max
Output Voltage	0.5 to 4.5 V /1 to 5V 4 to 20mA / 0 to 5V
Electric Connector	Hirschmann / Parkard / Special

Operating Characteristics:

Range	0 to -1,1,2,...30bar
Pressure Type	A, G
Proof Pressure	200%FS
Total Accuracy (%FS) ¹	1.0%FS & 0.5%FS & 0.25%FS
Long Term Stability	0.3%FS/year (max.)
Response Time	1ms (typ.)

Environmental Effects

Operating Temperature Range	-40°C to +125°C
Storage Temperature Range	-40°C to +150°C

Mechanical

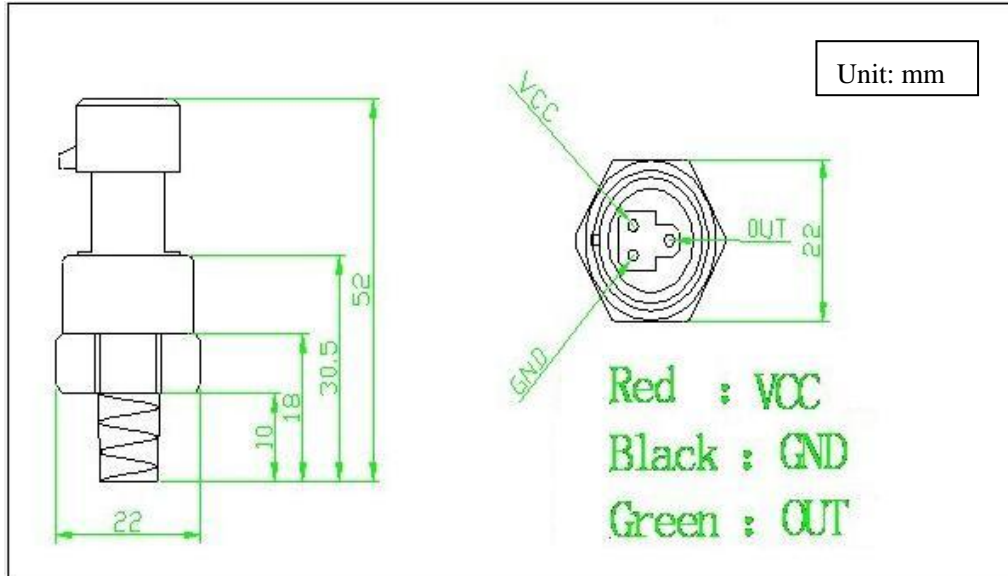
Protection Class	IP 65
Material	304L Stainless Steel
Pressure Port	NPT 1/8 & NPT 1/4 & Customized

Notes:

1. Total accuracy is the RSS of non-linearity, hysteresis, non-repeatability and thermal errors.

2. Please contact us for special design to meet your requirements.

Outline



Electric Connect Explanation

1. Output (Green)
2. Power+ (Red)
3. GND (Black)

Order Information

