

Model 701 Pressure Sensor

FEATURES

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



DESCRIPTIONS

Model 701 incorporates MEMS technology and custom Application Specific Integrated Circuit (ASIC) technology in the design. It adopts the silicon sense chip and is specifically designed for low pressure in the tough automotive application.

Model 701 is designed for clean water, air pressure measurements, the shape and connector could be customized.

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 0 to 5V/ others
Electric Connector	Hirschmann / Parkard / locknut

Operating Characteristics:

Range	0-30bar (0-450psi)
Pressure Type	A, G
Proof Pressure	200%FS
Total Accuracy (%FS) ¹	1.0%FS & 0.5%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

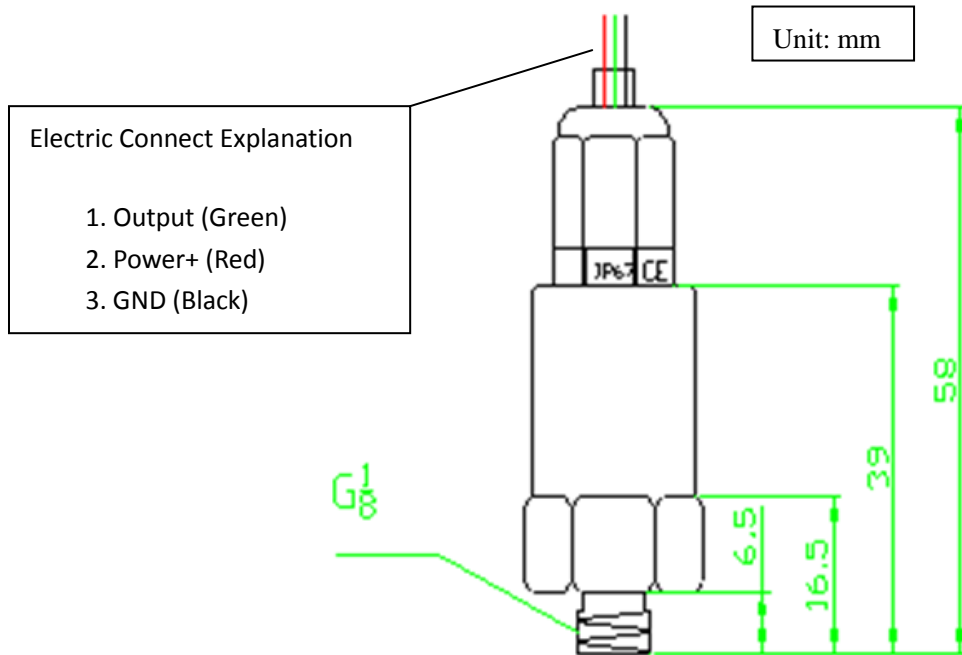
Mechanical

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



ORDER INFORMATION

