

## Model 751 Pressure Sensor

### FEATURES

- Any Range Between 0 to -1, 1...600 Bar
- Three Accuracies Available
- MEMS technology
- Programmable ASIC to meet customer specifications
- Ceramic pressure sensor
- Amplified and temperature compensated



### DESCRIPTIONS

Model751 incorporates MEMS technology and custom Application Specific Integrated Circuit (ASIC) technology in the design. It is specifically designed for tough automotive application.

Model 751 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	8 to 35V for current output 13 to 35V for voltage output
Out put	4 - 20mA / 0-10 V/ 1-10V
Operating Current	2.1mA
Electric Connector	Hirschmann / Parkard / Special

#### Operating Characteristics:

Range	0 to -1, 1...600bar
Pressure Type	A, G
Proof Pressure	200%FS
Total Accuracy (%FS) <sup>1</sup>	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

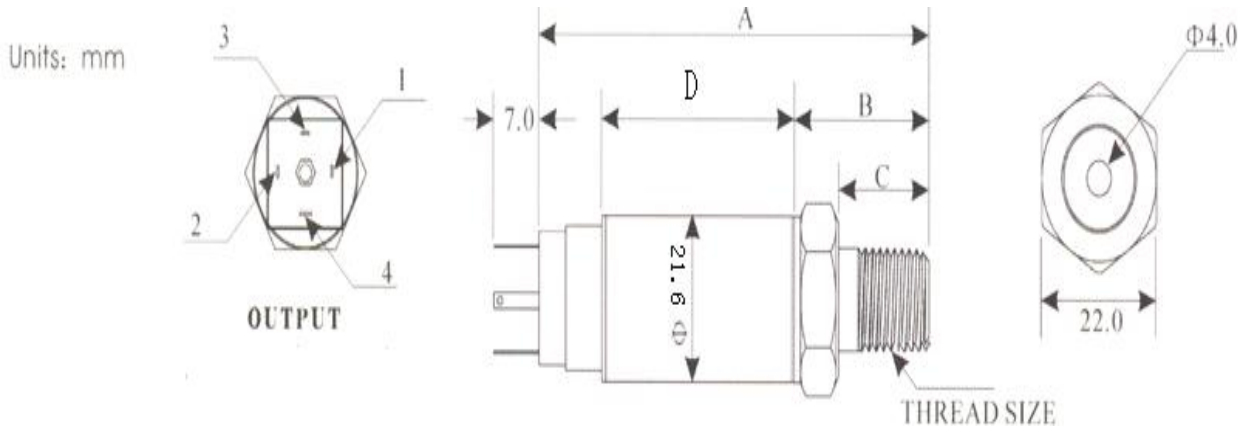
#### Mechanical

Protection Class	IP 65/IP67
Material	<b>304L Stainless Steel</b>
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**



Current Output	Voltage Output
1:Power +	1:Power +
2:mA Output	2:V Output
3:Alarm 1	3:GND
4:Alarm 2	4:Alarm 1

Unit	A	B	C	D
mm	53.5	20.0	12	29.5

**Order Information**

