

Model 631: Engine Fuel Pressure Sensor

FEATURES

- 0 to +450 psiG/A; 0 to +3 MPaG/A; 0 to +30 barA/G;
- 1 %FS Total Accuracy;
- MEMS technology;
- Programmable ASIC to meet customer specifications;
- Low part count enhances reliability;
- Amplified and temperature compensated;
- EMI protection;



DESCRIPTIONS

Model 631 incorporates MEMS technology and custom Application Specific Integrated Circuit (ASIC) technology in the design. It is specifically designed for 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.

SENSOR SPECIFICATIONS

Electrical:

Supply Voltage	5.0 ± 0.5VDC
Supply Current	10mA max
Maximum Output Current	Source 1 mA
Output Impedance	10 ohms max
Output Type	ratiometric
Output Voltage	0.5 to 4.5 V dc at 5VDC excitation

Operating Characteristics:

Range	0 to +450 psig/a; 0 to +3 MPaG/A; 0 to +30 barA/G
Proof Pressure	200%FS
Total Accuracy (%FS) 1	1 %FS

Environmental Effects:

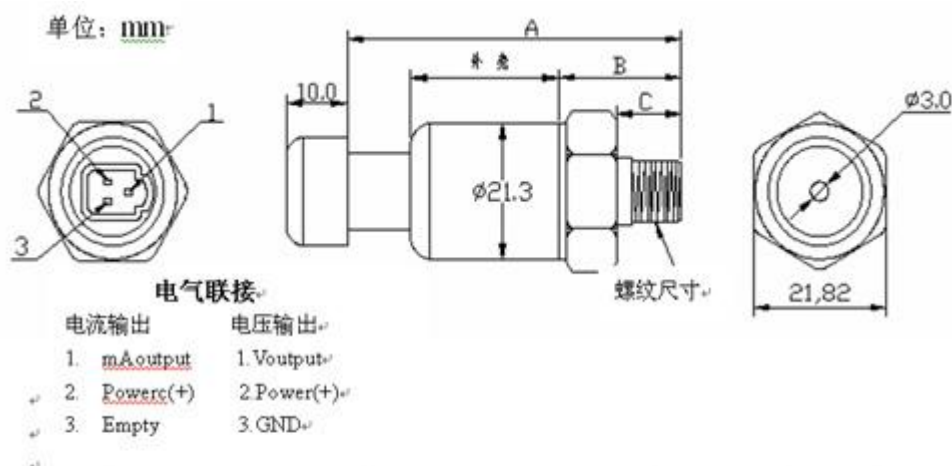
Compensated Temperature Range -40°C to +150°C
 Storage Temperature Range -55°C to +165°C

Mechanical:

Protection Class IP 55
 Pressure Port NPT 1/8
 Media Compatibility Media Compatible with Silicon(631A)
 Media Compatible with Stainless Steel(631B)

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



螺纹尺寸	A		B	C
A 1/8-27NPT	外壳 24.5	55.0	20.2	10.3
	外壳 8.5	55.0	30.3	16.2