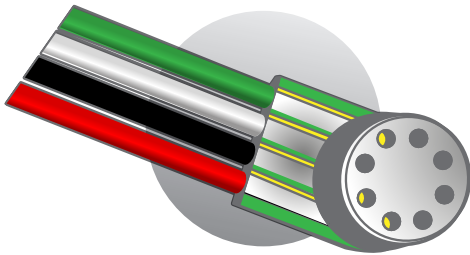


Very small pressure sensor for harsh environment Standard Temperature - Flat

1,55 mm up to 100°C

MP-1.55-TIG-YYY-A-ST-FLAT



MODEL DEFINITION

TIG: Inconel tube with grid is the standard product

YYY: pressure range in psi (030, 060, 100)

A: absolute pressure measurement

ST: standard temperature up to 100°C

FLAT: flat shape

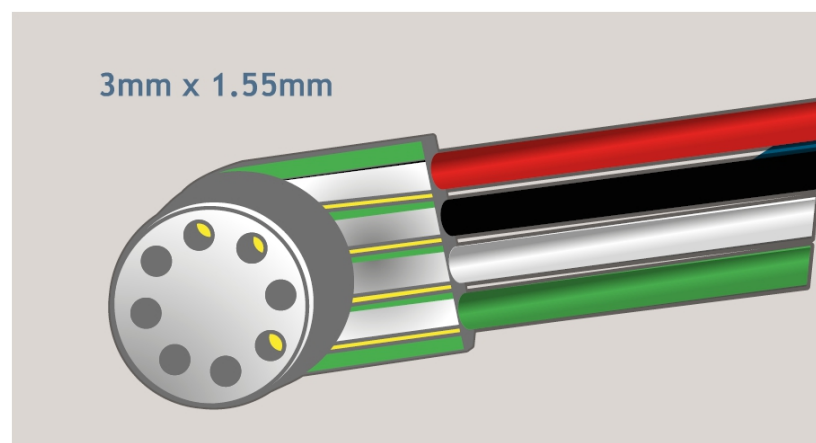
Options: special tube length, material and grid shape also available on request

OVERVIEW

- L x W 3mm x 1.55mm
- From 2 to 7 Bar Absolute pressure sensor
- Burst pressure 7 bar
- Wide temperature range up to 100°C
- Harsh environment
- Customized solution possible
- mVolt output

APPLICATIONS

- Instrumentation (ie: Automotive, ...)
- Aerodynamic testing (ie: wind tunnel)
- Industrial process monitoring
- Pumps
- Biomedical
- Oil and gas
- ...



PART NUMBER

MP-1.55-TIG-YYY-A-ST-FLAT

L x W	3 mm x 1.55 mm
Pressure range ¹	0-2 bar 0-4 bar 0-7 bar 0-30 psi 0-60 psi 0-100 psi
Max nominal pressure	2 bar 4 bar 7 bar 30 psi 60 psi 100 psi
Proof pressure ¹	3 * nominal
Burst pressure ¹	5 * nominal
Bridge resistance (R)	6,2 kΩ typical / (5-7 kΩ)
Vout span	100 mV typical / (65-135mV)
Tmax ²	100 C°
Accuracy ³	0,25% @ FS
TC Span ⁴	- 0,2%FS/°C
TC Zero Offset ⁴	± 0,07%FS/°C
TC Resistance ⁴	- 2100ppm°C
Fluid	Conductive or non conductive fluid (Noncorrosive fluid)

Remarks:

- All sensors are provided with a control sheet given pressure level versus mVolt @25C° under a supply voltage of 5 Volt.
- Temperature measurement/compensation available. [See our tutorial on our website.](#)
- Conditioning system on request.
- Frequency > 1MHz under vacuum condition.
- High robustness: specific protection on wire bonding @MEMS level (protection against particles, dust, condensation...) without impact on frequency measuring range.

1 | Absolute pressure

2 | TMCL qualification tests - JEDEC JESD22-A104 « temperature cycling » @ Tmax

3 | Accuracy @25 Celsius

4 | @MEMS level

CONTACT

Operational Headquarter: The Labs, Liège Science, Park Rue Bois Saint-Jean 15/1, B-4102 Seraing, BELGIUM

TEL: +32 4 353 30 14

Email: sales@sensorade.be