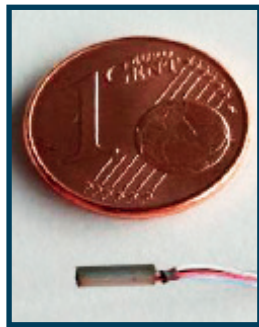


Very small pressure sensor for harsh environment High Temperature

1,5 mm up to 185C°

MP-1.55-TIG-YYY-A-HT



MODEL DEFINITION

TIG: Inconel tube with grid is the standard product

YYY: pressure range in bar (002, 004, 010)

A: absolute pressure measurement

HT: high temperature up to 185C°

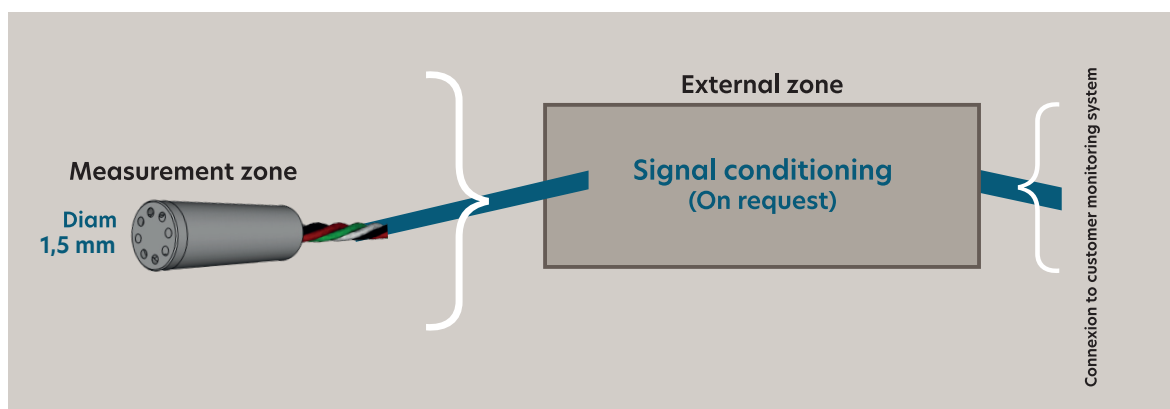
Options: special tube lenght, material and grid shape also available on request

OVERVIEW

- Outer diameter 1,5 mm
- From 2 to 10 Bar Absolute pressure sensor
- Burst pressure 10 bar
- Wide temperature range up to 185C°
- 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-HT

Outer diameter	1,55mm
Pressure range ¹	0-2 bar 0-4 bar 0-10 bar 0-30 psi 0-60 psi 0-100 psi
Max nominal pressure	2 bar 4 bar 10 bar 30 psi 60 psi 100 psi
Proof pressure ¹	3 * nominal
Burst pressure ¹	5 * nominal
Bridge resistance	6,2 kΩ typical / (5-7 kΩ)
Vout span	100 mV typical / (65-135mV)
Tmax ²	185 Celsius
Accuracy ³	0,25% @ FS
Signal amplification	None
Fluid	Dry air or inert gas

Remark:

- All sensors are provided with a control sheet given pressure level versus mVolt @ 25C° under a supply voltage of 5 Volt.
- Accuracy of passive compensation 2%FS (passive compensation has to remain @ 25C°) (in option)
- Active compensation (nonstandard request - Highest accuracy but lowest acquisition frequency)

1 | Absolute pressure

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

3 | Accuracy @25 Celsius

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