

MCS Pressure Sensor

- Self invention
- Excellent stability and reliability
- Wide medium compatibility
- Wide temperature range
- 20 times burst pressure
- Special customization



« Absolute Seal gauge

« Gauge

- MCS sensor is an ideal choice for the demanding applications such as aviation, coal mining, high speed train, marine, military, special equipment, etc.

Range: 0~0.2...220Mpa. **
 Overload pressure: 2X
 Burst pressure $\geq 20X$
 Repeatability: $\pm 0.01\%FS$, $\pm 0.02\%FS$, $\pm 0.05\%FS$
 Hysteresis: $\pm 0.02\%FS$, $\pm 0.05\%FS$, $\pm 0.1\%FS$
 Non-linearity: $\pm 0.1\%FS$, $\pm 0.2\%FS$, $\pm 0.4\%FS$
 Thermal zero temperature coefficient: $\leq 25ppm$, $\leq 50ppm^{**}$
 Thermal full-scale temperature coefficient: $\leq 50ppm$, $\leq 100ppm^{**}$
 Zero point Long-term stability: $\leq 0.05\%FS/Y$, $\leq 0.1\%FS/Y$
 Full-scale long-term stability: $\leq 0.05\%FS/Y$, $\leq 0.1\%FS/Y$
 Operating voltage: 2.5~10VDC
 Output sensitivity: $\geq 1.5mV/V$
 Zero output: $\leq \pm 0.4mV/V$
 Medium temperature: $-60^{\circ}C \sim +175^{\circ}C$

** Consult us for more options

• Ambient temperature: $-60^{\circ}C \sim +175^{\circ}C$
 • Compensation temperature: $-50^{\circ}C \sim +150^{\circ}C$
 • Input impedance: 480 Ω ~2500 Ω
 • Output impedance: 480 Ω ~2500 Ω
 • Insulation impedance: $\geq 20M\Omega @ 250VDC, 25^{\circ}C$.
 • Electrical strength: 500VAC**
 • Response frequency: 1kHz**
 • Acceleration: 50g
 • Dimensions: a) Gauge type: $\varnothing 19 \times H8$
 b) Absolute pressure type/sealed gauge pressure type: $\varnothing 19 \times H13$
 • Weight: a) Gauge type: $\leq 10g$
 b) Absolute pressure type/sealed gauge pressure type $\leq 15g$

