

O.E.M. INDUSTRIAL PRESSURE SENSOR
Programmable 0.5 – 4.5 Vdc Output Signal
ma18i Model

◆ Technology : **Thick Film Strain Gage on Ceramic**

18 mm Diameter
0...10 bar up to 200 bar
Gage Pressure

Operating temperature range from - 25 up to + 85 °C

Excellent long term stability

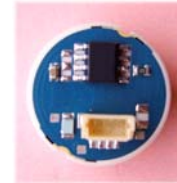
Direct on board Electronics

Monolithic sensor structure

All applications

All aggressive fluids (★)

The ma18i “monolit sensor”[®] combines a monolithic ceramic sensor with direct on board electronics SMD components (without PCB), allowing a very compact design for industrial applications.



– Actual size –

- ❖ Easy mechanical integration
- ❖ Programmable Signal Conditioner ICs (digital compensation of sensor offset, temperature drift and non-linearity)
- ❖ OEM Low Cost sensor for large volume applications

- ◆ Low current consumption < 3 mA - Shock and vibration resistant
- ◆ OEM industrial equipment - Low cost transmitters manufacturing

Mechanical specification:

MODEL	Full Scale [F.S.] (bar)	Burst pressure (bar)
▣ ma18i – 10	0...10	25
▣ ma18i – 20	0...20	50
▣ ma18i – 50	0...50	125
▣ ma18i – 100	0...100	200
▣ ma18i – 200	0...200	400

▣ Combined error (Linearity + Hysteresis) @ 25°C $\leq \pm 0,3\% FS^*$ [Terminal based]

➤ * Please consult us for lower Combined error

▣ Repeatability $\leq \pm 0,1\% FS$

(★)Except hydrofluoric acid

“monolit sensor”[®] is a Registered Trade Mark of CiTy Sensors S.A.

RoHS Compliant
Directive 2002/95/EC

Specification subject to change without prior notice

