

THICK FILM STRAIN GAGE CERAMIC PRESSURE SENSORS

"O.E.M." SENSORS – "monolit sensor"[®]

- Large volume, High performance, Low Cost O.E.M. applications
- Full internal protection against Humidity and Condensation

- Direct contact with aggressive media
- Easy integration on board industrial machines and equipments

ms 18c (Temperature Compensated*)



Ø 18 mm

Pressure Sensor

Pressure Range : 0-2 to 0-200 bar, Gage
 Supply Voltage: 30 Vdc, maximum
 Full Scale Output: 3 mV/V, typical
 Temperature range: -40°C to +135°C

* Uncompensated version upon specific request

ma 18i (High Level Output Voltage Signal)



Ø 18 mm

Pressure Sensor + On-board IC's Programmable Electronics

Pressure Range : 0-10 to 0-200 bar, Gage
 Supply Voltage: 5 Vdc, ratiometric
 Full Scale Output: 0.5 to 4.5 VDC
 Temperature range: -25°C to +85°C

RoHS Compliant
 Directive 2002/95/EC

▪ Sensor ma18e → Extended Operating Temperature Range

ma 18e (High Level Output Voltage Signal)



Ø 18 mm

Pressure Sensor + On-board IC's Programmable Electronics

Pressure Range : 0-10 to 0-200 bar, Gage
 Supply Voltage: 5 Vdc, ratiometric
 Full Scale Output: 0.5 to 4.5 VDC
 Temperature range: -40°C to +135°C

GENERAL PURPOSE SENSORS

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

PC 18 (Temperature Compensated)



Ø 18 mm

Pressure Sensor

Pressure Range (*): 0-1 to 0-600 bar, Gage or Absolute
 Supply Voltage: 30 Vdc, maximum
 Full Scale Output: 3 mV/V, typical
 Temperature range: -40°C to +135°C

(* Customs Solution: Full Scale Range up to 1000 bar, please consult us.

PCT 18 (Temperature Compensated)



Ø 18 mm

Dual sensor, Pressure + Temperature ⁽¹⁾

Pressure Range (*): 0-1 to 0-600 bar, Gage or Absolute
 Supply Voltage: 30 Vdc, maximum
 Full Scale Output: 3 mV/V, typical
 Temperature range: -40°C to +135°C

(1) Platinum Probe: Pt 1000Ω - Class B

(* Customs Solution: Full Scale Range up to 1000 bar, please consult us.

PC 30 (Temperature Compensated)



Ø 30 mm

Pressure Sensor

Pressure Range : 0-1 to 0-400 bar, Gage or Absolute
 Supply Voltage: 30 Vdc, maximum
 Full Scale Output: 4 mV/V, typical
 Temperature range: -40°C to +135°C



Ø 18 mm

PC & PCT18- 0545 (0.5 - 4.5 Vdc Output Signal)

Pressure Sensor + IC's Programmable

Pressure Range : 0-1 to 0-600 bar, Gage or Absolute
 Supply Voltage: 6 to 16 Vdc or +5 Vdc
 Full Scale Output: 0.5 - 4.5 Vdc
 Temperature range: -25°C to +85°C
 Temperature probe: Pt1000Ω - Class B
 (PCT18-0545 Models only)

(* Customs Solution: Full Scale Range up to 1000 bar, please consult us.

PC18 CH (4 - 20 mA Output Signal)



Ø 18 mm

Dual sensor, Pressure + Temperature (*)

Pressure Range(*) : 0-1 to 0-600 bar, Gage or Absolute
 Supply Voltage: 9 to 30 Vdc
 Output Signal (Pressure): 4-20 mA, 2 wires
 Temperature range: -20°C to +85°C
 Temperature Probe: Pt1000Ω - Class B
 (PCT18 CH Models only)

Zero & Span Adjustments by potentiometers
 Protected against reverse polarity & transient voltage

(* Customs Solution: Full Scale Range up to 1000 bar, please consult us.

CT 34 (High Sensitivity)



Ø 34 mm

Pressure Sensor

Pressure Range* : 0-5 & 0-10 bar, Gage or Absolute
 Supply Voltage: 30 Vdc, maximum
 Full Scale Output: 5 to 8 mV/V, typical
 Temperature range: -25°C to +125°C

± 1% Normalised Output Signal
 *Other Ranges Upon Request