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CERAMIC PRESSURE SENSORS OVERVIEW

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MONOLITHIC CERAMIC PRESSURE SENSING ELEMENTS

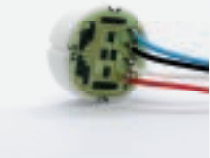
ME 600



Pressure Sensor Thermally compensated (Temperature sensor on request)

Dimensions & Type	ø 18 ± 0.10 mm Monolithic Gauge		
Pressure Range	from 0-2 to 0-600 bar		
Supply Voltage	2...30VDC		
Operating Temperature	-40°C to 135°C		

ME 657



Pressure Sensor Thermally compensated small dimension

Dimensions & Type	ø 12,85 ± 0.15 mm Monolithic Gauge		
Pressure Range	0-350 bar		
Supply Voltage	2...30VDC		
Operating Temperature	-40°C to 135°C		

9 mm



Pressure Sensor not Thermally compensated 9mm

Dimensions & Type	ø 9.00 ± 0.10 mm Monolithic Gauge		
Pressure Range	0-10	0-20	0-50 bar
Supply Voltage	2...30VDC		
Operating Temperature	-40°C to 135°C		

MONOLITHIC CERAMIC PRESSURE SENSING ELEMENTS WITH ELECTRONICS

ME75x



Calibrated Pressure Sensor, Signal Conditioning on PCB

Dimensions & Type	ø 18 ± 0.10 mm Monolithic Gauge		
Pressure Range	from 0-2 to 0-600 bar		
Output	Ratiometric	Current loop	Non ratiometric
Output range	-0.5...4.5 [V]	4...20 [mA]	0...10 [V]
Supply Voltage	4.5...5.5	9...35	12...35
Operating Temperature	-25°C to 125°C		

ME790



Calibrated Pressure sensor, Fully integrated signal conditioning

Dimensions & Type	ø 18 ± 0.10 mm Monolithic Gauge		
Pressure Range	from 0-2.5 to 0-400 bar		
Output	Ratiometric		
Output range	-0.5...4.5 [V]		
Operating Temperature	-25°C to 85°C		

ME900

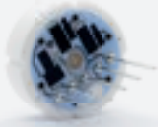


Calibrated Pressure sensor Ready to mount, Stainless steel housing Signal conditioning, onboard connector

Dimensions & Type	ø 9.00 ± 0.10 mm Monolithic Gauge		
Pressure Range	0-10	0-20	0-50 bar
Output	Ratiometric		
Output range	-0.5...4.5 [V]		
Operating Temperature	-20°C to 85°C		

FLUSH DIAPHRAGM CERAMIC PRESSURE SENSING ELEMENTS

ME501



Pressure Sensor Thermally compensated

Dimensions & Type	$\phi 18 \pm 0.10$ mm Gauge or Absolute
Pressure Range	from 0-0.5 to 0-800 bar
Supply Voltage	2...30VDC
Operating Temperature	-40°C to 135°C

ME506



Pressure sensor Small diameter Thermally compensated

Dimensions & Type	$\phi 15 \pm 0.125$ mm Gauge or Absolute
Pressure Range	from 0-1 to 0-20 bar
Supply Voltage	2...30VDC
Operating Temperature	-40°C to 135°C

ME509



Pressure sensor, low nominal pressure values

Dimensions & Type	$\phi 32.40 \pm 0.15$ mm Gauge or Absolute
Pressure Range	0-200 to 0-1000 mbar
Supply Voltage	2...30VDC
Operating Temperature	-25°C to 125°C

FLUSH MEMBRANE CERAMIC PRESSURE SENSING ELEMENTS WITH ELECTRONICS

ME77x



Calibrated Flush Diaphragm Pressure Sensor, Signal conditioning on PCB

Dimensions & Type	$\phi 18 \pm 0.10$ mm Gauge or Absolute		
Pressure Range	from 0-0.5 to 0-600 bar		
Output type	Ratiometric	Current loop	Non ratiometric
Output range	-0.5...4.5 [V]	4...20 [mA]	0...10 [V]
Supply Voltage	4.5...5.5	9...35	12...35
Operating Temperature	-40°C to 135°C		

ME78x



Calibrated Flush Diaphragm Pressure Sensor, Fully integrated signal conditioning Electronics on ceramic

Dimensions & Type	$\phi 18 \pm 0.10$ mm Gauge or Absolute	
Pressure Range	from 0-0.5 to 0-600 bar	
Output type	Ratiometric	Digital I2C
Output range	-0.5...4.5 [V]	Hexadecimal code (output register address : 0x78)
Supply voltage	4.5...5.5	3.3 or 5.0 (depending on calibration settings)
Operating Temperature	-25°C to 125°C	

CAPACITIVE CERAMIC PRESSURE SENSING ELEMENTS

ME550



Very low pressure, High burst pressure

Dimensions & Type	ϕ 32.40 \pm 0.10 mm Gauge or Absolute
Pressure Range	from 0-60 mbar to 0-20 bar
Operating Temperature	-40°C to 135°C

DIFFERENTIAL CERAMIC PRESSURE SENSING ELEMENTS

ME800



Wet-wet application Optional PTC for medium temperature measurement
Flush diaphragm, differential

Differential Pressure Range	0-2 to 0-16 bar
Supply Voltage	2...30VDC
Operating Temperature	-25°C to 125°C

ME821



Wet-wet differential pressure measurement, Signal conditioning, on-board connector

Differential Pressure Range	from 0-2 to 0-16 bar
Output	Current Loop
Output range	-4...20 [mA]
Supply Voltage	9...35 VDC
Operating Temperature	-25°C to 85°C

TERMINATION

Termination Type

Pre-tinned soldering pads

Pins 9/13/15 mm

PVC flat cable 50.8 mm

Nomex cable 50.8 mm

Others on request

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