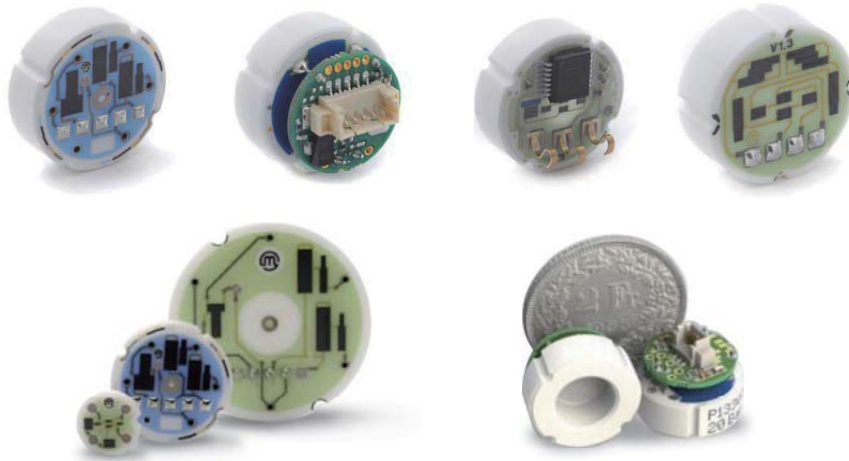


세계 최고 기술 Piezoresistive Ceramic Pressure Sensors Swiss Technology

최고의 정밀도 0.15% FS
넓은 압력측정 범위 0...0.2 to 0...800bar
절대압 측정 가능
온도 보상
부식과 마모에 강한 내구성
사용자 사양요구 제작지원



Ceramic transducers - Flush membrane

- 플러시 마운트 세라믹 센서(Flush Mounted Ceramic Sensors)는 게이지 압력 측정, 밀봉 (Sealed) 게이지 압력 및 절대 압력 측정에 적합하며 평평한 세라믹 알루미나 기판이 압력 매체와 닿는다.

ME500

Flush mount, mV/V, pressure sensor



Pressure range(bar)	0.5 - 1 - 2 - 5 - 10 - 20 - 50 - 100 - 200 - 400 - 600 - 800
Pressure type	Absolute, Gauge, Sealed Gauge
Technology	Piezoresistive
Diameter(mm)	18 mm
Structure	Flush mount
Signal output	Differential mV/V Signal
Compliance	REACH, RoHS, Conflict Minerals

ME504

Flush mount, mV/V, pressure sensor



Pressure range(bar)	0.5 - 1 - 2 - 5 - 10 - 20 - 50 - 100 - 200 - 400 - 600 - 800
Pressure type	Absolute, Gauge, Sealed Gauge
Technology	Piezoresistive
Diameter(mm)	18 mm
Structure	Flush mount
Signal output	Differential mV/V Signal
Compliance	REACH, RoHS, Conflict Minerals Free

ME506

Flush mount, mV/V, Ø15mm, pressure sensor



Pressure range(bar)	1 - 2 - 5 - 10 - 20
Pressure range(psi)	7 - 14 - 29 - 72 - 145 - 290
Pressure type	Absolute, Gauge, Sealed Gauge
Technology	Piezoresistive
Diameter(mm)	15mm
Structure	Flush mount
Signal output	Differential mV/V Signal
Compliance	REACH, RoHS, Conflict Minerals Free

ME509

Flush mount, mV/V, Low pressure, Ø32mm, pressure sensor



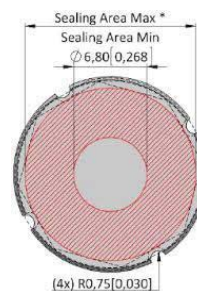
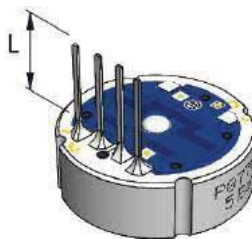
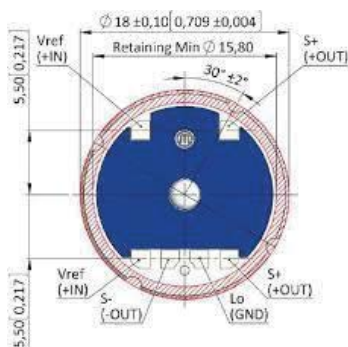
Pressure range(bar)	0.2 - 0.5 - 1
Pressure range(psi)	3 - 7 - 14
Pressure type	Gauge
Technology	Piezoresistive
Diameter(mm)	32mm
Structure	Flush mount
Signal output	Differential mV/V Signal
Compliance	REACH, RoHS, Conflict Minerals Free

ME770

Flush mount, 0.5 - 4.5 V ratio-metric output, pressure transducer



Pressure range(bar)	0.5 - 1 - 2 - 5 - 10 - 16 - 20 - 50 - 100 - 200 - 250 - 400 - 600
Pressure type	Absolute, Gauge, Sealed Gauge
Technology	Piezoresistive with signal conditioning
Diameter(mm)	18 mm
Structure	Flush mount
Signal output	Ratiometric 0,5 - 4,5 V
Compliance	REACH, RoHS, Conflict Minerals Free



Ceramic transducers - Flush membrane

- 플러시 마운트 세라믹 센서(Flush Mounted Ceramic Sensors)는 게이지 압력 측정, 밀봉 (Sealed) 게이지 압력 및 절대 압력 측정에 적합하며 평평한 세라믹 알루미나 기판이 압력 매체와 닿는다.

ME772

Flush mount, 0 - 10 V Non ratiometric output, pressure transducer



Pressure range (bar)	0.5 - 1 - 2 - 5 - 10 - 16 - 20 - 50 - 100 - 200 - 250 - 400 - 600
Pressure type	Absolute, Gauge, Sealed Gauge
Technology	Piezoresistive with signal conditioning
Diameter(mm)	18 mm
Structure	Flush mount
Signal output	Current loop 4 - 20 mA
Compliance	REACH, RoHS, Conflict Minerals

ME780

Flush mount, 0.5 - 4.5 V Ratiometric output, pressure transducer



Pressure range (bar)	0,5 - 1 - 2 - 5 - 10 - 20 - 50 - 100 - 200 - 250 - 400 - 600
Pressure type	Absolute, Gauge, Sealed Gauge
Technology	Piezo with electronic signal conditioning
Diameter(mm)	18 mm
Structure	Flush mount
Signal output	Ratiometric 0.5 - 4.5 V
Compliance	REACH, RoHS, Conflict Minerals Free

ME782

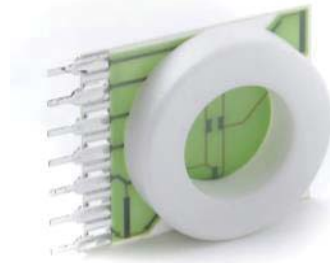
Flush mount, digital I²C 15 bit output, pressure transducer



Pressure range (bar)	0.5 - 1 - 2 - 5 - 10 - 20 - 50 - 100 - 200 - 250 - 400 - 600
Pressure type	Absolute, Gauge, Sealed Gauge
Technology	Piezo with electronic signal conditioning
Diameter(mm)	18 mm
Structure	Flush mount
Signal output	Digital I ² C 15 bit
Compliance	REACH, RoHS, Conflict Minerals Free

ME800

Differential flush mount pressure, mV/V, Parylene C coated, pressure sensor



Pressure range(bar)	4 - 10 - 16 - 25 - 40
Pressure range(psi)	58 - 145 - 232 - 362 - 580
Pressure type	Differential
Technology	Piezoresistive
Diameter(mm)	18 mm
Structure	Flush mount, Monolithic
Signal output	Differential mV/V Signal
Compliance	REACH, RoHS, Conflict Minerals Free

- 단일구조 압력센서(Monolithic sensors)는 게이지 압력측정에 적합하다.
- 세라믹 본체의 구조는 압력매체가 닿는 방향으로 노출된 구멍 구조를 갖고 있다.

ME600

Monolithic, mV/V, ceramic pressure sensor



Pressure range (bar)	2 - 5 - 10 - 20 - 50 - 100 - 200 - 250 - 400 -600
Pressure type	Gauge
Technology	Piezoresistive
Diameter(mm)	18 mm
Structure	Monolithic
Signal output	Differential mV/V Signal
Compliance	REACH, RoHS, Conflict Minerals free

ME657

Monolithic, mV/V, Ø15mm, ceramic pressure sensor



Pressure range (bar)	350 bar (5000 psi) 5000
Pressure type	Gauge
Technology	Piezoresistive
Diameter(mm)	12.85 mm
Structure	Monolithic
Signal output	Differential mV/V Signal
Compliance	REACH, RoHS, Conflict Minerals free

ME670

Monolithic, mV/V, ceramic pressure sensor



Pressure range (bar)	2 - 5 - 10 - 20 - 50 - 100 - 200 - 250 - 400
Pressure type	Gauge
Technology	Piezoresistive
Diameter(mm)	18 mm
Structure	Monolithic
Signal output	Differential mV/V Signal
Compliance	REACH, RoHS, Conflict Minerals free

ME750

Monolithic, 0.5 - 4.5 V Ratiometric output, pressure transducer



Pressure range (bar)	1.6 - 2 - 2.5 - 4 - 5 - 6 - 10 - 16 - 20 - 25 - 40 - 50 - 100 - 200 - 250 - 400
Pressure type	Gauge
Technology	Piezoresistive with signal conditioning
Diameter(mm)	18 mm
Structure	Monolithic
Signal output	Ratiometric 0.5 - 4.5 V
Compliance	REACH, RoHS, Conflict Minerals free

Ceramic transducers - Monolithic

- 단일구조 압력센서(Monolithic sensors)는 게이지 압력측정에 적합하다.
- 세라믹 본체의 구조는 압력매체가 닿는 방향으로 노출된 구멍 구조를 갖고 있다.

ME752

Monolithic, 0 - 10 V, non ratio-metric output, pressure transducer



Pressure range(bar)	1.6 - 2 - 2.5 - 4 - 5 - 6 - 10 - 16 - 20 - 25 - 40 - 50 - 100 - 200 - 250 - 400
Pressure type	Gauge
Technology	Piezoresistive with signal conditioning
Diameter(mm)	18 mm
Structure	Monolithic
Signal output	Non ratiometric 0 - 10 V
Compliance	REACH, RoHS, Conflict Minerals free

ME790

Monolithic, 0.5 - 4.5 V, ratio-metric output, pressure transducer



Pressure range(bar)	3 - 5 - 10 - 20 - 50 - 100 - 200 - 250 - 400
Pressure type	Gauge
Technology	Piezo with electronic signal conditioning
Diameter(mm)	18 mm
Structure	Monolithic
Signal output	Ratiometric 0.5 - 4.5 V
Compliance	REACH, RoHS, Conflict Minerals free

ME900

Monolithic. 0.5 - 4.5 V ratio-metric output with housing



Pressure range(bar)	10 - 20 - 50 - 100
Pressure range(psi)	150 - 300 - 750 - 1500
Pressure type	Gauge
Technology	Piezoresistive with signal conditioning
Diameter(mm)	N/A
Structure	Monolithic
Signal output	Ratio-metric 0.5 - 4.5 V
Compliance	NSF/ANSI, DVGW CERT, WRAS, DM174

▶ Ceramic transducers

- Monolithic

- 단일구조 압력센서(Monolithic sensors)는 게이지 압력측정에 적합하며, 세라믹 본체의 구조는 압력 매체가 닿는 방향으로 노출된 구멍 구조를 갖고 있다.

ME910

Monolithic, mV/V, Ø9mm, ceramic pressure sensor



Pressure range(bar)	10 - 20 - 50 - 100
Pressure range(psi)	145 - 290 - 725 - 1450
Pressure type	Gauge
Technology	Piezoresistive
Diameter(mm)	9 mm
Structure	Monolithic
Signal output	Differential mV/V Signal
Compliance	REACH, RoHS, Conflict Minerals free

▶ Ceramic transducers

- Capacitive

- 평평한 세라믹 판에 플러시 다리야프램이 덮혀져 있는 구조이다.

ME550

Capacitive, Ø32mm, pressure sensor



Pressure range(bar)	0.16 - 0.4 - 0.6 - 1 - 2 - 5 - 10 - 20
Pressure range(psi)	7 - 14 - 29 - 72 - 145 - 290 - 720 - 1450
Pressure type	Absolute. Gauge
Technology	Capacitive
Diameter(mm)	32 mm
Structure	Flush mount
Signal output	Differential mV/V Signal
Compliance	REACH, RoHS, Conflict Minerals Free

- Metallux ME751 : 세라믹 셸로 제작된 모놀리식 압력 센서는 압저항 원리에 따라 작동한다.
- 두 제품 모두 Al₂O₃ 세라믹의 뛰어난 화학 면역성으로 인해 거의 모든 공격적인 매체에 적합하다.

- Metallux ME771 : flush diaphragm에 접착된 세라믹 베이스 본체로 만들어지며 압저항 원리에 따라 작동한다.

ME751

Monolithic, 4 - 20 mA Current loop output, pressure transmitter



Pressure range (bar)	1.6 - 2 - 2.5 - 4 - 5 - 6 - 10 - 16 - 20 - 25 - 40 - 50 - 100 - 200 - 250 - 400
Pressure type	Gauge
Technology	Piezoresistive with signal conditioning
Diameter(mm)	18 mm
Structure	Monolithic
Signal output	Current loop 4 - 20 mA
Compliance	REACH, RoHS, Conflict Minerals free

ME771

Flush mount, 4 - 20 mA Current loop output, pressure transmitter



Pressure range (bar)	0.5 - 1 - 2 - 5 - 10 - 16 - 20 - 50 - 100 - 200 - 400 - 600 - 800
Pressure type	Absolute. Gauge. Sealed Gauge
Technology	Piezoresistive with signal conditioning
Diameter(mm)	18 mm
Structure	Flush mount
Signal output	Non ratiometric 0 - 10 V
Compliance	REACH, RoHS, Conflict Minerals Free