

The Technology Innovation

MOSTEK®

SENSING TOMORROW

미래 감지의 기술

모스텍프로세스컨트롤즈
Mostek Process Controls

Mostek 모노실리콘 압력 전송기
Mostek Monosilicon Pressure Transmitter



프로세스 산업 / 환경 엔지니어링

2018

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원천적으로 특허된 완전봉합 기술, 완전 격리된 모노실리콘 압력센서 정교한 봉입액기술로 온도 및 정압영향을 제거

이러한 모든 본래의 봉합 캡슐링 기술은 극단적인 화학성에 대한 노출 및 기계적인 과부하에 매우 잘 대처할 수 있으며 EMI에 대한 자기 저항력등은 모든 격렬한 산업 환경 어플리케이션에 대응하는 것이 충분하고 그런 기술들은 무형의 진품 기기이다.
2중 다이어프램은 높은 과부하 압력에 견딤



Originally patented fully-sealed, fully-isolated monosilicon pressure sensor

Accurate filling fluid technology, eliminates effects of temperature and static pressure.
Dual diaphragm overload structure, can easily cope with high overload tests.

ASIC 및 SMT 신호전송 모듈

강력한 24 ADC로 매우 정교한 신속한 응답을 자랑
350° 회전 디스플레이 모듈로 사용자 친화적인 버튼식 파라미터 조작 기능



ASIC and SMT signal transmitting module

Powerful 24 ADC achieves high precision and quick response.
350° rotation display module, friendly button parameters operation function.

종단 모듈을 보호하기 위한 순간적 강한 고전압에 대한 저항

트랜스미터에 대한 강력한 덮개 보호, 안전 감시.
폭발성 조건하에서도 안정적인 작동



Strong transient voltage resistance to protect terminal module

Vigorous close protection, security guard for transmitters.
Though experiencing fulminating, it still keeps stable operation.

외부의 3개버튼 메뉴기능은 현장 운전이 가능

완전 격리된 자력유도 구조는 방폭요구 조건으로 현장에서 안전한 운전을 만족.
버튼식 파라미터 설정은 전기적 보호등급 영향을 주지 않아 안전하고 더욱 편리한 수단



External three buttons menu function enables site operation

Fully-isolated magnetic induction structure satisfies the safety operation conditions for site with flameproof requirements.
Button-parameter setting does not affect the degree of electrical protection, in a safer and more convenient manner.

높은 강도의 금속 전기적 보호 하우징

미려한 외관, 과학 및 기술의 패션 감각의 모든 것을 보여줌
두껍고 견고한 내벽 가장 열악한 환경적 어플리케이션에 부합

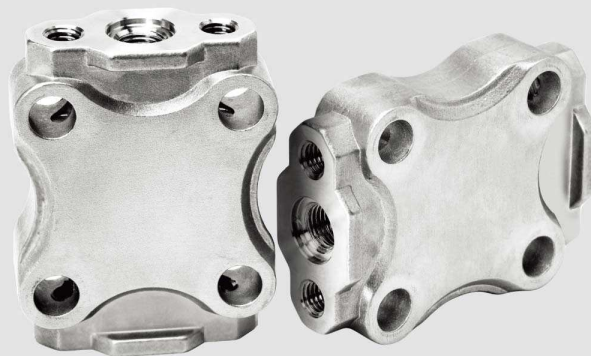


High strength metal electrical protection housing

Beautiful appearance, fully show the fashion sense of science and technology.
Thick and firm inside to meet the most rigorous environmental application.

견고하고 뛰어난 스테인레스스틸 공정의 플랜지

특별히 두꺼운 강도 구조는 매우 가공할 만함
높은 정압 및 과부하에 대하여 강한 안전 감시

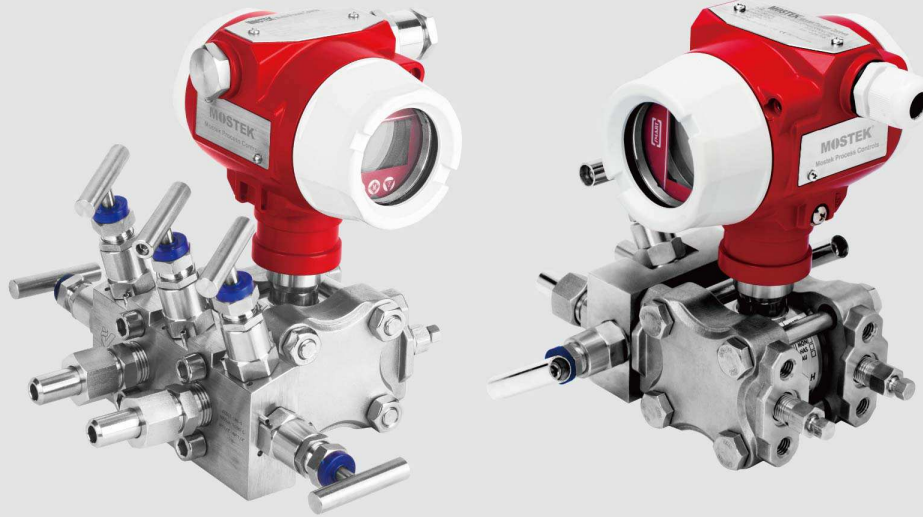


Solid and superior stainless steel process flange

Extra-thick strengthening structure is formidable.
Strong safeguard with high static pressure and high overload.

MDMP305X 모노실리콘 압력전송기
MDMP305X Monosilicon Pressure Transmitter

측정범위 (차압) : 200 Pa ~ 10 Mpa
(게이지압) : 200 Pa ~ 40 Mpa
(절대압) : 2 KPa ~ 10 Mpa



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MDMP305X Monosilicon Pressure Transmitter

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(게이지압) : 1 KPa ~ 40 Mpa
(절대압) : 10 KPa ~ 100 Mpa



모스텍 모노실리콘 압력트랜스미터는 모스텍계에서 가장 진보된 센서기술과 특허된 캡슐봉합기술을 사용하여 국제적인 선도기술로 세심하게 설계된 고성능 압력전송기이다. 모노실리콘 압력 센서는 금속몸체 상부에 위치하여 있으며 기계적인 아이솔레이션 및 온도적인 아이솔레이션을 실현하기 위하여 측정매체의 인터페이스와 격리되어있다. 유리소결 센서와이어는 금속 베이스의 전기적 절연강도를 높게 실현하고 전자적인 회로 및 순간적인 과도 전압보호 저항의 유연성의 능력을 증가시킨다.

monosilicon pressure transmitter is a high performance pressure transmitter with international leading technology meticulously designed by instrument, using the world's most advanced monosilicon pressure sensor technology and patent encapsulation technology.

Monosilicon pressure sensor locates on the top of the metal body and stay away from the medium interface to realizes mechanical isolation and thermal isolation. Glass sintering sensor wire realizes high strength electrical insulation of metal base and improves the capability of flexibility of electronic circuit and transient voltage resistance protection.

All these original encapsulation technologies enable to easily cope with extreme chemical occasion and mechanical load, and own strong resistance to EMI, sufficient to respond to the most rigorous industrial environment applications, which are the genuine invisible instruments.

고성능 Mostek 모노실리콘 압력 전송기
국제적인 선도 기술과 스마트제조의 완벽한 매칭.
최적의 압력 측정 솔루션을 위한 새로운 평가 기준 확립

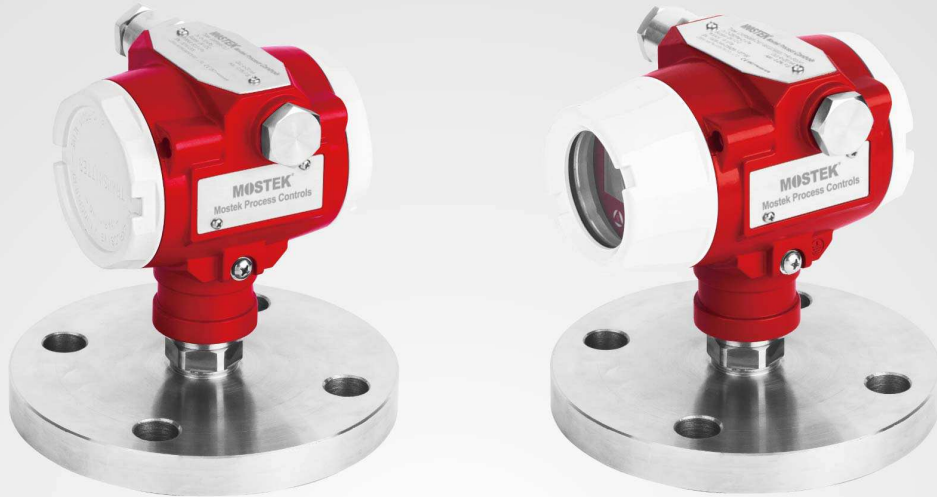


High-performance monosilicon pressure transmitter

Perfect match between internationally leading technology and smart manufacturing.
Establish new criteria for the optimum pressure measuring solutions.

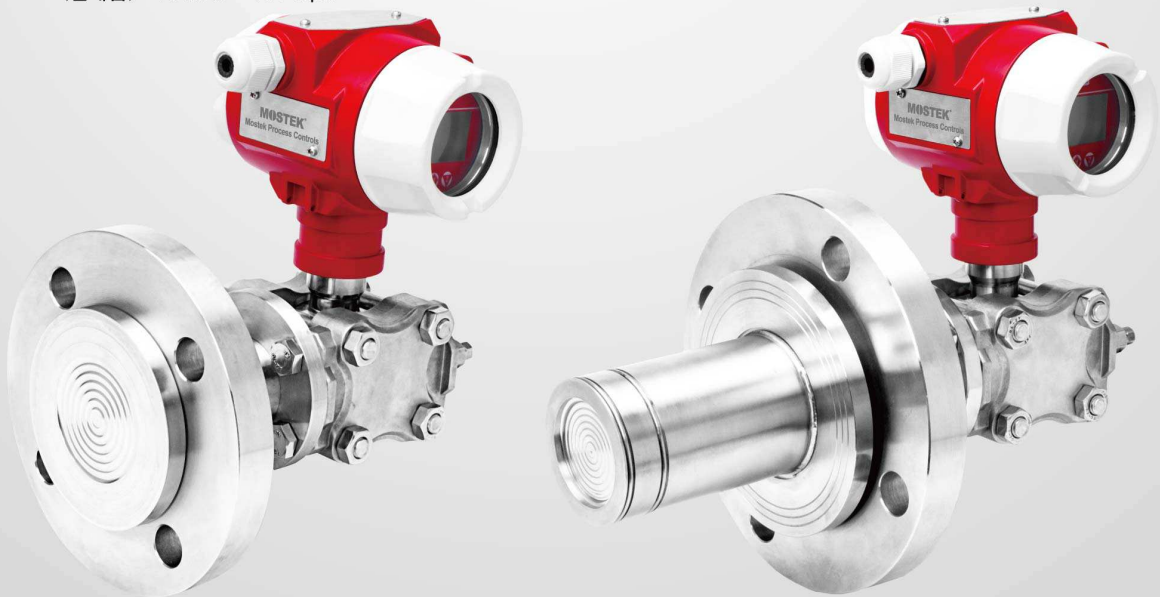
MDMP305X 모노실리콘 압력전송기
MDMP305X Monosilicon Pressure Transmitter

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Provide the perfect quality and performance verified with solution of pressure transmitter for process control

MOSTEK®



MDMP305X-DST-DM
Flush Diaphragm(gage P)
Tank mounting



MSMP858-NST
Remote Capillary Flush
Diaphragm (Differential P)



MDMP305X-DST
Industry Std Differential (gage, abs)
Pressure Transmitter
Measuring Range: 200 Pa~10 MPa
Accuracy:±0.075 % URL (옵션 ±0.05% URL)
Output: 4-20 mA, HART, Fieldbus



MSMP858-TSF-D
Sanitary Flush Diaphragm



MSMP131-TDS-S
Accuracy: ±0.1 % URL
Output: 4-20 mA, HART
Modbus 485 RTU



MSMP131-TLD-H
Accuracy: ±0.15 % URL
Output: 4-20 mA,, HART
Modbus 485 RTU



MDMP305X-DSF
Stainless Steel Housing
Differential(gage,abs)
Transmitter



MSMP131-TSD-S
Sanitary Diaphragm
Accuracy ±0.2 % URL
Output: 4-20 mA,, HART



MSMP131-TSD-S-TC
Sanitary Diaphragm
Accuracy:±0.2 % URL
Output : 4-20 mA,, HART



MDMP305X-DST-H
Industry Std gage pressure(absolute)
Pressure Transmitter
Measuring Range: 1KPa~40 MPa
Accuracy ±0.075 % URL (opt ±0.05% URL)
Output: 4-20 mA, HART, Fieldbus



MSMP858-NSF
Sanitary
Stainless Steel Housing
Remote-Capillary
Differential Pressure Tx



MLMP633-NCN
Sumersible Anti-corrosive
Accuracy ±0.2 % URL
Output 4-20 mA,, HART



MLMP633-NCN
Submersible Level Transmitter
Accuracy ±0.2 % URL
Output 4-20 mA,, HART



MDMP305X-TLF
Stainless Steel Housing
Gage Pressure Transmitter



MLMP633-NSN-H
Submersible Anti-corrosive
Accuracy ±0.2 % URL
Output 4-20 mA,, HART
Modbus 485 RTU



MLG200-WRT
Ex-proof Temperature
Transmitter
Output ±0.1 % URL
Output 4-20 mA,, Sensor



MLG200-WRT
Compact
Temperature Transmitter
Accuracy±0.1 % URL
Output:4-20mA,,Sensor



MTM-100-MC
Temperature Module
Head-Mounting
Accuracy ±0.1 % URL
Output HART, FF, PA



MSMP858-TSF-S
Sanitary Stainless Steel
Housing Flush
Diaphragm



①

Thermal Mass Flow Meter
MF100AEX for EX-Proof
Accuracy: $\pm 1.0\%$ FS
Repeatability: $\pm 0.2\%$ FS
Max Velocity: 0~300 NMPS
Enclosure: Ex d IIC T4..T6



②

Thermal Mass Flow Meter
MF200A for IP-66
Accuracy: $\pm 1.0\%$ FS
Repeatability: $\pm 0.2\%$ FS
Max Velocity: 0~300 NMPS
Enclosure: IP66 Weather-Proof



③

Thermal Mass Flow Meter
MF250A for Compact/OEM
Accuracy: $\pm 1.0\%$ FS
Repeatability: $\pm 0.2\%$ FS
Max Velocity: 0~300 NMPS
Enclosure: IP66 Weather-Proof



④

Coriolis Mass Flow Meter (Liquid)
MCMF100 U-Tube Type
Accuracy: $\pm 0.1\%$ FS
Repeatability: $\pm 0.05\%$ FS
Size: DN40~DN300 PN250
Temperature: 300°C Max



⑤

Coriolis Mass Flow Meter (liquid)
MCMF100 Triangle-Tube Type
Accuracy: $\pm 0.1\%$ FS
Repeatability: $\pm 0.05\%$ FS
Size: DN8~DN150 PN250
Temperature: 300°C Max



⑥

Coriolis Mass Flow Meter (liquid)
MCMF100 Microbend-Tube Type
Accuracy: $\pm 0.1\%$ FS
Repeatability: $\pm 0.05\%$ FS
Size: DN8~DN150 PN250
Temperature: 300°C Max



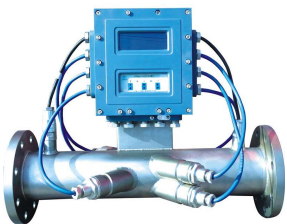
⑦

Electromagnetic Flow Meter
MEMF100
Accuracy: $\pm 0.3\%$ FS
Repeatability: $\pm 0.1\%$ FS
Size: DN8~DN3000
Temperature 135°C Max
Conductivity $> 5\mu\text{S}$



⑧

Vortex Flow meter for liquid
Gas, steam
MVSF100
Accuracy: $\pm 1.0\%$ FS
Repeatability: $\pm 0.25\%$ FS
Size: DN25~DN300
Temperature: 300°C



⑨

Multi-Ch Ultrasonic Flow Meter
For Gas)
MUGF100
Accuracy: $\pm 1.0\%$ FS
Repeatability: $\pm 0.2\%$ FS
Size: DN25~DN300
Temperature: -25~+55°C



⑩

Displacement Flow Meter (liquid)
MDRF100
Accuracy: $\pm 0.1\%$ FS
Repeatability: $\pm 0.03\%$ FS
Size: DN8~DN400
Temperature: -25~+250°C



⑪

Displacement Flow Meter (gas)
MDRF200
Accuracy: $\pm 0.2\%$ FS
Repeatability: $\pm 0.1\%$ FS
Size: DN20~DN150
Temperature: -30~+55°C



⑫

Clamp-On Ultrasonic Flow Meter
for liquid)
MTF1100EC
Accuracy: $\pm 1.0\%$ MV
Repeatability: $\pm 0.2\%$ FS
Size: DN25~DN6000
Temperature: -25~+200°C