

MSP-5000TP

Intrinsic Safety Pressure Transmitter
Intrinsic Safety Explosion Proof Certification



DESCRIPTION

This is an intrinsic safety explosion proof pressure transmitter, and is suitable for controlling to measure processing pressures in the environment where there is at the risk of explosion.

This is suitable to need chemical resistance & solvent resistance in the semi-conductor, and LCD industry or chemical plant as an item equipped with an acid proof sensor.

This is available for preventing from explosive destruction accidents in plants as an intrinsic safety explosion proof grade, Ex ia IIC T4, Ip65.

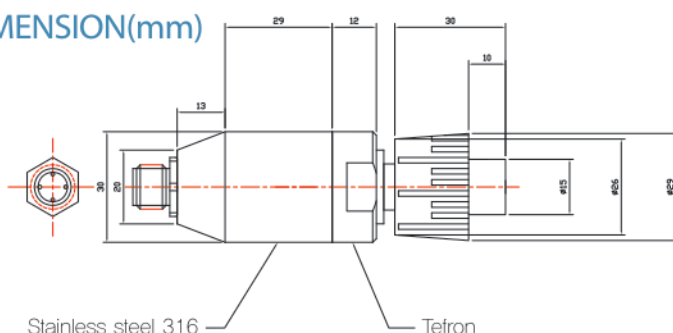
FEATURES

- High precision
- Safe & smart design
- Intrinsic safety explosion proof certification(Ex ia IIC T4, IP65)
- Using together with shunt-diode safety barrier

SPECIFICATIONS

- Kind Of Explosion Proof Construction : Intrinsically Safety Explosion-Proof
- Explosion-Proof : Ex ia II C T4
- Operating Condition : Hazardous Areas
- Display Type : Non Display
- Cable : 5m(Standard)
- Pressure Connection : PT, PF 1/2", PT, PF 3/8", PT, PF 1/4" And Other request
- Wetted Parts Materials : Diaphragm PFA
- Pressure Range : 0~0.5MPa(0~5Kgf/cm²)
0~1MPa(0~10Kgf/cm²) It can be made up to)
- Allowable Max. Pressure : One and half times Of Pressure Range
- Temperature Compensated : 0~80°C
- Operating Temperature : 0~120°C
- Power Source : 18~30V DC
- Output : 4~20mA DC
- Load Resistance : 500Ω at 24V DC
- Transmission System : 2 Wire System
- Accuracy : ±0.5% F.S.
- Accidental : Linearity ±0.2% of Span
Repeatability ±0.1% of Span
Hysteresis ±0.2% of Span
Stability ±0.2%(One Year)
- Construction : Indoor Use

DEMENSION(mm)



ELECTRIC CONNECTION

WIRE COLOR	2WIRE
RED	
BLACK	Excitation -
GREEN	
WHITE	Excitation +
GND	Shielded

※ Please exactly check the enclosed test report with the product as there may be any differences according to kinds of cables in the product.