

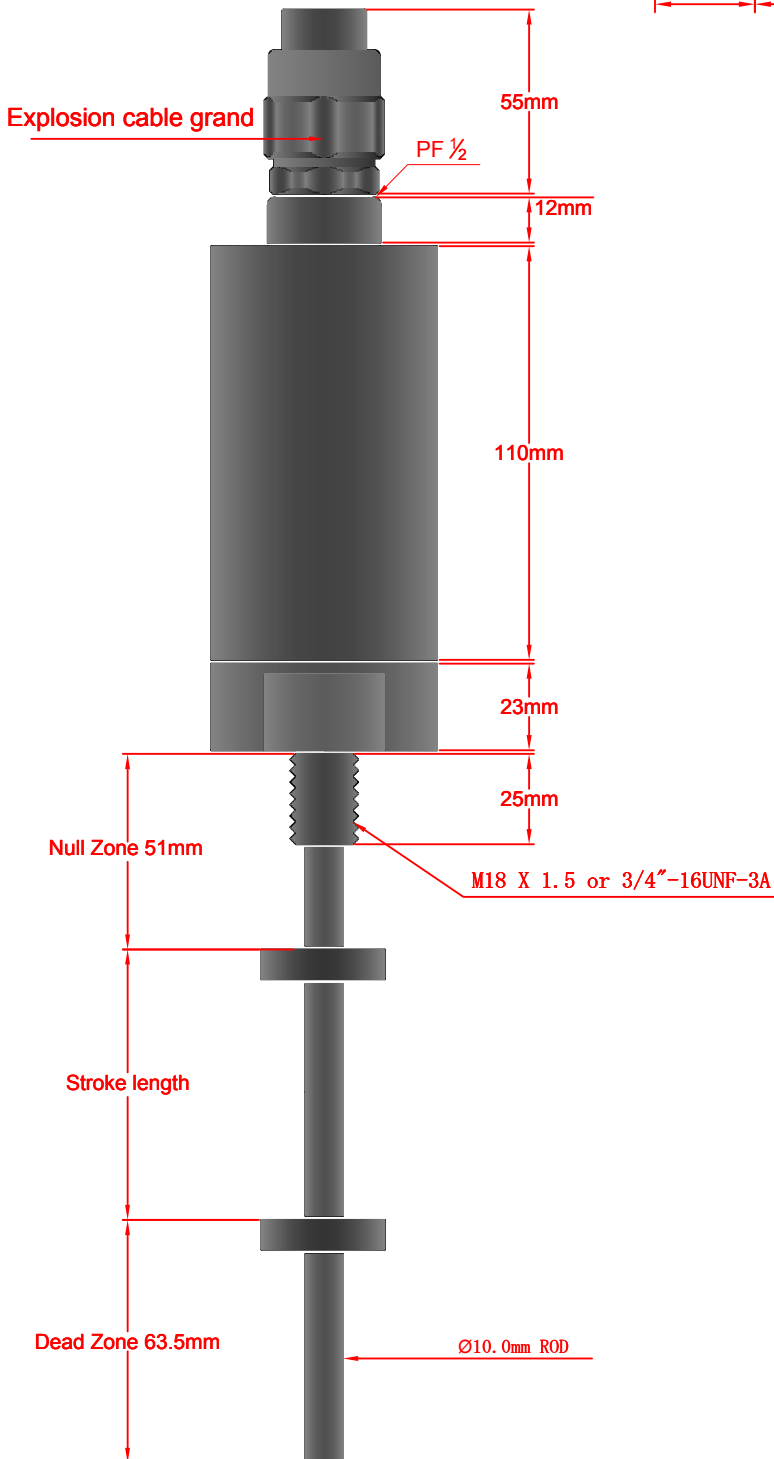
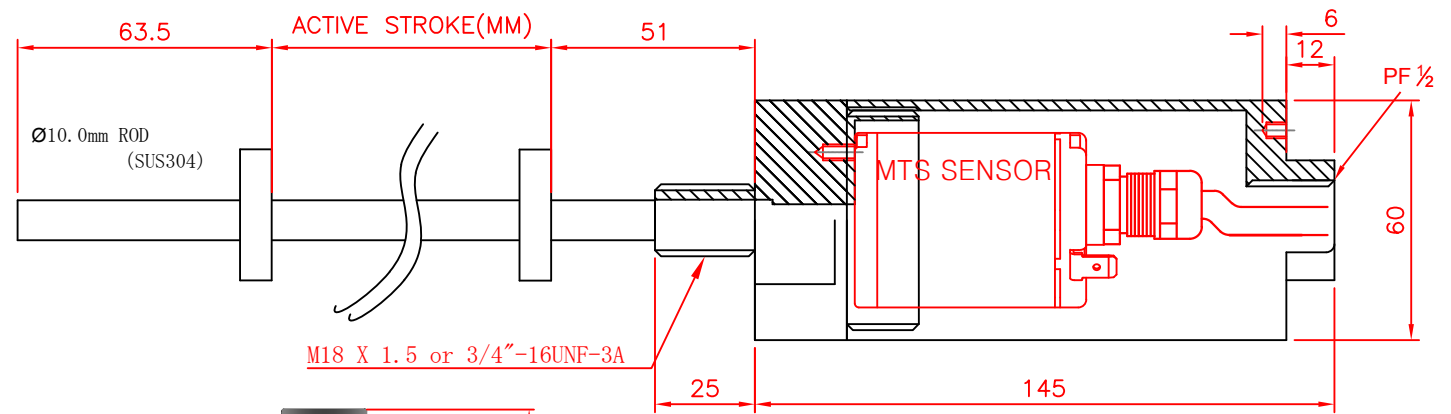
Absolute, Explosion Proof Housing

Rod Model EXPH - B

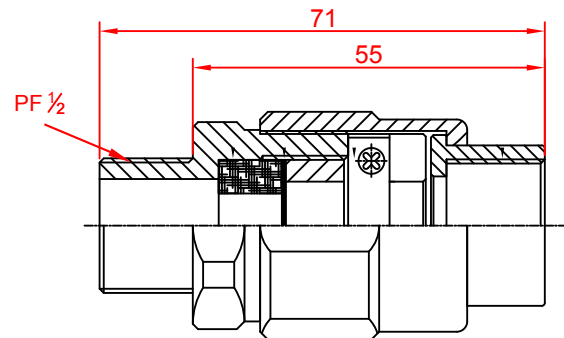


- 견고한 산업용 센서
- 선형성 & 절대 측정방식
- 비접촉방식 & 높은 내구성
- 아날로그(전류, 전압)/동기식 직렬 인터페이스(SSI)
- 방수 등급 IP68
- KCs - Exd II C T5

Sensor dimension



Cable gland dimension



Technical Data (depending on selcted interface) (MTS SENSOR Analog or SSI)

Measuring range	50 - 2500 mm
Output	
Interfaces	Analog, SSI
Operating conditions	
Dew point, humidity	100% rel. humidity
Protection	IP68 / Exd II C T5
Design, Material	
Explosion Proof Housing	304 Stainless steel
Sensor stroke	303/304 (1.4305) Stainless steel 316L on request
Pressure rating	350 bar
Position magnet	Ring magnet or magnet float
Installation	
Mounting position	Any orientation
Torque moment	< 50 Nm
Rod	Threaded flange M18 x 1,5 or 3/4"-16 UNF-3A, Hex nut M18
Electrical connection	
Sensor Connection type	Integral cable pigtail termination
Housing Connection type	Cable gland (Ex d II C / Ex e II, IP66 / 67)

Note

R

R-Series Analog / SSI

Ordering Information

E X P H B 1 2 3 4 5 6 **M** 7 8 9 **1** 11 12 13 14 15 16 17

(1) Housing Type

B – Integral housing

(2) Design

M – Flange M18x1,5
S – Flange ¾" – 16 UNF – 3A

(3)-(6) Measuring range

0050...2500 mm

(7)-(9) Connection Type

Integral cable, waterproof, with pigtail termination

P ____ = **SSI output** Integral cable, polyurethane jacket with pigtail termination
 H ____ = **Analog output** Integral cable, polyurethane jacket with pigtail termination
 R ____ = **SSI / Analog output** Integral cable, PVC jacket with pigtail termination

(10) Input voltage

1 = +24 Vdc (+20%, -15%)

(11)-(17) Output Type

Synchronous Serial Interface (SSI):

[13] S = SSI Type

[14] Data length

1 = 25 bits

2 = 24 bits

3 = 26 bits

[15] Output Format

B = Binary code

G = Gray code

[16] Resolution

1 = 0.005 mm

2 = 0.01 mm

3 = 0.05 mm

4 = 0.1 mm

5 = 0.02 mm

6 = 0.002 mm

8 = 0.001 mm

9 = 0.0005 mm

[17] Filtering Performance

1 = Standard, no filter

[18] [19] Signal Options (scale orientation)

00 = Measuring direction forward, async

01 = Measuring direction reverse, async

02 = Measuring direction forward, sync1

05 = Measuring direction forward, bit-25 = Alarm, bit-26 = Parity even, (select data length 24 bits)

16 = Measuring direction forward, LCO

(11)-(17) Output Type

Analog output

1 Output channel with 1 magnet (3 digit code).

Output #1 = Magnet position

V01 = 0 to +10 Vdc **A01** = 4 to 20 mA

V11 = +10 to 0 Vdc **A11** = 20 to 4 mA

V21 = -10 to +10 Vdc **A21** = 0 to 20 mA

2 Output channels with 2 magnets (3 digit code)

Output #1 = Magnet #1 position

V02 = 0 to +10 Vdc

V12 = +10 to 0 Vdc

V22 = -10 to +10 Vdc

V32 = +10 to -10 Vdc

A02 = 4 to 20 mA

A12 = 20 to 4 mA

A22 = 0 to 20 mA

A32 = 20 to 0 mA

Output #2 = Magnet #2 position

0 to +10 Vdc

+10 to 0 Vdc

-10 to +10 Vdc

+10 to -10 Vdc

4 to 20 mA

0 to 4 mA

0 to 20 mA

20 to 0 mA

Note

R