

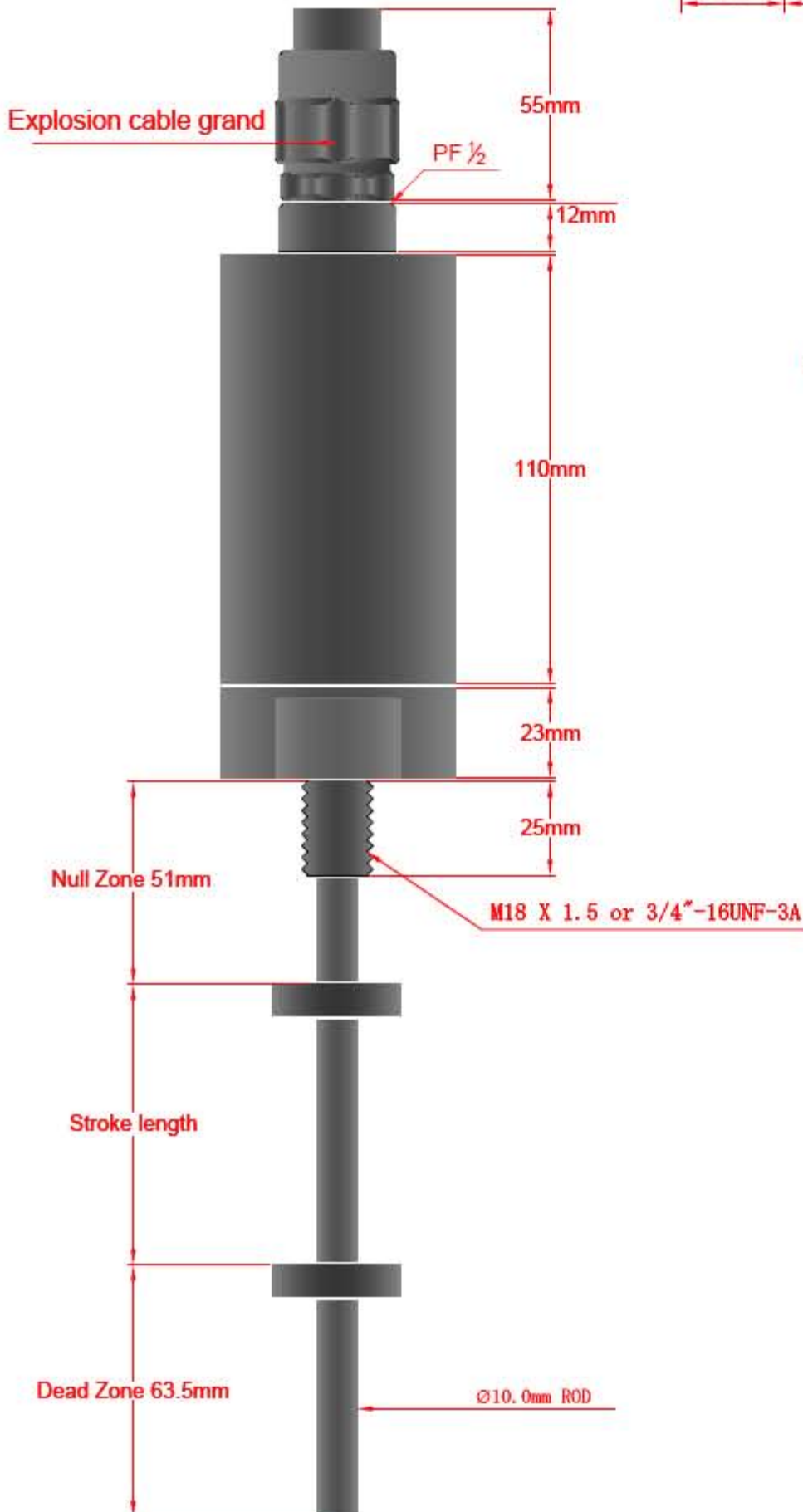
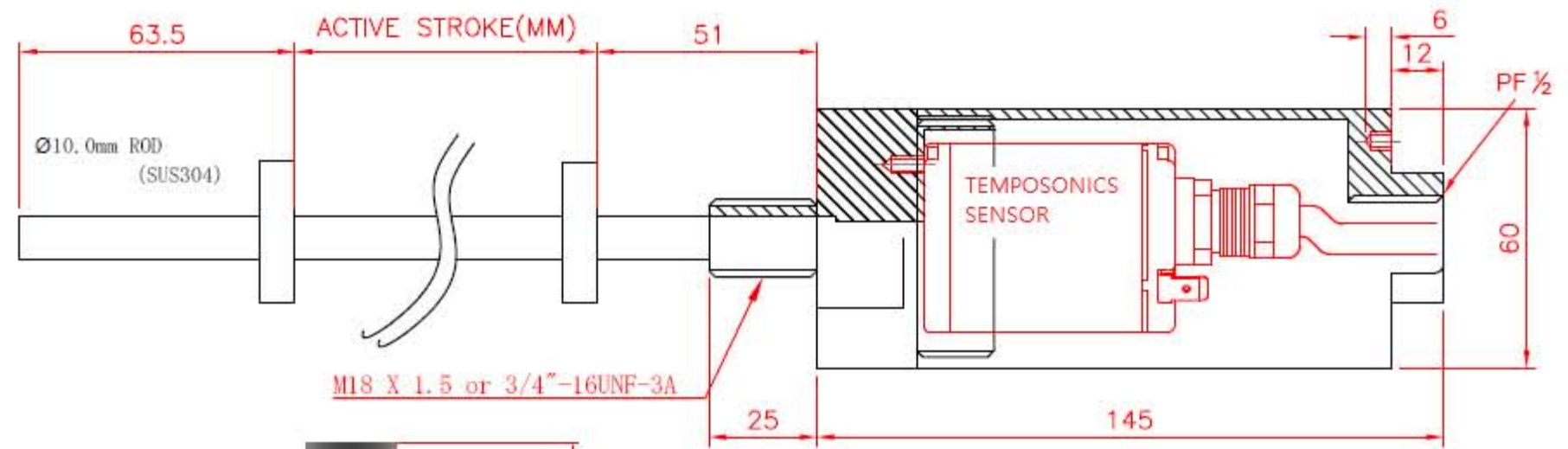
Absolute, Explosion Proof Housing

Rod Model EXPH - B

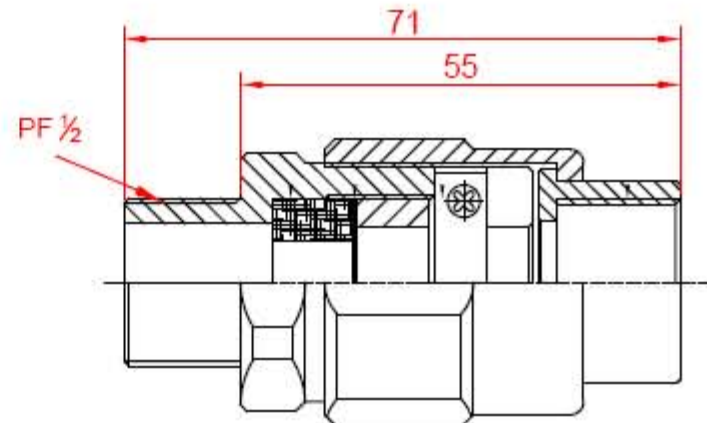


- Linear, Absolute Measurement
- Non-Contact Sensing Technology
- Rugged Industrial Sensor
- Direct Analog Outputs (Voltage or Current)
- Synchronous Serial Interface (SSI) Output
- Water proof IP68
- Explosion Proof Exd II C T5

Sensor dimension



Cable gland dimension



Technical Data (depending on selcted interface) (Interfaces 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, 500 bar peak
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:

For detailed technical data and electrical connection for the outputs please see data sheets:
R-Series V Analog, SSI

1) **Housing Type**
B = Integral housing

2) Design

M = Flange M18x1.5

5) Stroke length

0050...2500mm

0 X - 01...02 Position(s)(1...2magnet(s))

Integral cable, waterproof, with pigtail termination

H = SSL/Analog output PUR cable H01...H30

R = SSI/Analog output PVC cable R01...R30

1 = Standard

A = Current

V = Voltage

1 = Position (1 or 2 magnets/outputs)

2 = Position and speed (1 magnet and 2 outputs)

3 = Position and velocity (1 magnet and 2 outputs)

4 = Position and reverse position (1 magnet and 2 outputs)

5 = Position and temperature inside the sensor electronics housing
(1 magnet and 2 outputs)

6 = Differential (2 magnets and 1 output)

0 = Standard

0 = 0...10 VDC or 4...20 mA

1 = 10...0 VDC or 20...4 mA

2 = -10...+10 VDC or 0...20 mA

3 = +10...-10 VDC or 20...0 mA

Ordering Information_Synchronous Serial Interface(SSl)

E X P H B A M 0 1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

1) Housing Type

B = Integral housing

2) Design

M = Flange M18x1.5

S = Flange 3/4"-16UNF-3A

3)-6) Stroke length

0050...2500mm

7)-8) Number of magnets

0 X - 01...02 Position(s)(1...2magnet(s))

9)-11) Connection type

Integral cable, waterproof, with pigtail termination

P = SSI output PUR cable P01...P30

H = SSI/Analog output PUR cable H01...H30

R = SSI/Analog output PVC cable R01...R30

12) System

1 = Standard

13) Output

S = SSI Type

14) function

1 = Position

15) Options

0 = Standard

16) Mode

1 = Measuring direction forward, asynchronous model

2 = Measuring direction forward, synchronous model 1

5 = Measuring direction reverse, asynchronous model

6 = Measuring direction reverse, synchronous model 1

17) Date length

1 = 25 bit

2 = 24 bit

3 = 26 bit

18) Format

B = Binary

G = Gray

19) Resolution

1 = 0.005mm

2 = 0.01mm

3 = 0.05mm

4 = 0.1mm

5 = 0.02mm

6 = 0.002mm

7 = 0.0001mm

8 = 0.001mm

9 = 0.0005mm