

ACCESSORIES R-SERIES

ATEX [ATmosphères EXplosibles]



Approved Sensors: R-Series

- Analog Output
- CANbus [All Versions]
- SSI Output

Note: 1. All products are available as profile and rod version.
2. Cable has to fulfill EN 60079-14.

ATEX Conformity: Marking on MTS Approved Sensor

Ex II 3G Ex nA IIC T4 Gc
Ex II 3D Ex tc IIIB T100°C Dc IP65/67
-20 °C ≤ Ta ≤ 75 °C
Pmax = 4 Watt
Derated 6.5 K/W ≥ 49 °C

Applicable ATEX Regulations / Directives

Directive 2014/34/EU Equipment and protective systems for use in potentially explosive atmospheres.

Related Norms:

EN 60079-0, EN 60079-15
EN 60079-31, EN 61326-1,
EN 61326-2-3

MTS is a certified supplier for position sensors intended to be used in hazardous areas of the Category 3 according to the ATEX standard.

- In Zone 2 (Gas, Category 3G) in the explosion groups IIA, IIB, IIC.
- In Zone 22 (Dust, Category 3D) at dusts in the explosion groups IIIA and IIIB

Ordering Code

Temposonics® **R** **M** **1** **- E X**

Model

RP - Profile

- RPM** - U-magnet, OD33
- RPS** - Magnet slider, joint on top
- RPV** - Magnet slider, joint in front

RH - Rod

- RHM** - Flange, M18 x 1.5
- RHS** - Flange ¾" - 16 UNF - 3A
- RS** - Rod, Safety housing
- RSM** - Flange, M18 x 1.5

Stroke length in mm

Profile - 0050...1650 mm

Rod - 0050...1650 mm

Standard: up to 1000 in 50 mm steps, greater 1000 in 250 mm steps

Other length upon request.

Connection type:

R02 - 2 m PVC cable w/o connector, option: R01-R10 (1...10 m)

P02 - 2 m PUR cable w/o connector, option: P01-P10 (1...10 m)

T02 - 2 m Teflon cable w/o connector, option: T01-T10 (1...10 m)

Note: This options are output signal dependent.

For details refer individual catalog section.

Output

Analog / CANbus / SSI

Approved Versions

ATEX

Stroke Length Standard RP RH

Stroke length	Ordering steps
≤ 500 mm	25 mm
500...1650 mm	50 mm