

High Pressure Housing

For Temposonics position sensors



CE



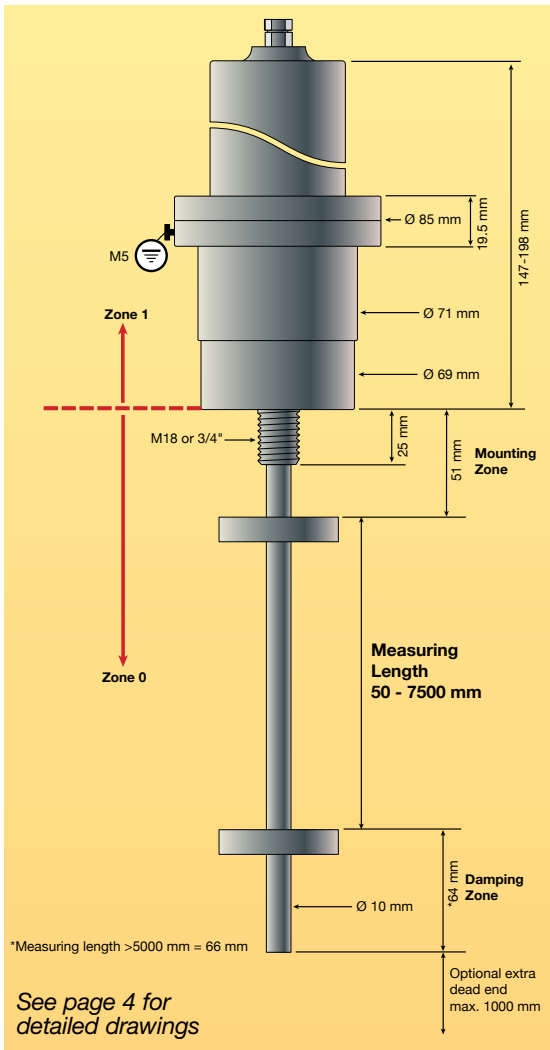
ATEX



SUMMIT
ELECTRONICS



Precision Position Measurement High Pressure Housing



This High Pressure Housing is **ATEX-IECEX approved** for use in **hazardous locations** with Temposonics position sensors.

These approvals cover flammable gases, vapors, liquids and dust.

The housing is made to fit Temposonics G-series analog + start/stop sensors, R-series sensors with analog and digital output only. When using a standard sensor in this housing you get a cost efficient solution for use in hazardous locations which also allows easy sensor replacement.

Several design combinations are available to fit your application:

M18 or 3/4" UNF Mounting flange.

M20 Cable gland thread: Top mounted or single/dual side-mounted. See Combination Chart

All parts are made of 316L Stainless steel as standard.

Technical Data:

Protection type:
ATEX:
IECEX

CE 0044 TÜV 13 ATEX 121172 X



IECEX TUN 13 0011 X
II 1/2 G Ex d IIC T5⁽¹⁾ Gb T_{amb} -40° to +75°C⁽²⁾
II 1/2 D Ex tb IIIC T100C Db

IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-26:2006, IEC 60079-31,
EN 60079-0:2009, EN 60079-1:2007, EN 60079-26:2007, EN 60079-31:2009

Only with ATEX and IECEX approved cable glands

Material: Stainless Steel AISI 316L (1.4404)

Cable Gland Threads: M20 x 1,5

Ingress protection code: IP68 (only with IP68 approved cable gland)

Approved sensors:
G-series analog + start/stop sensors
R-series analog
R-series Profibus
R-series CANBUS
R-series SSI
R-series DeviceNet

Mounting Flange: M18 x 1,5 or 3/4"-16UNF-3A

Pressure rating: 350 Bar continuous

Peak Pressure: 530 Bar

Magnet type: GF plastic with permanent magnet

Level Measurement: Float on request

1. Optional temperature class T3

2. T_{amb}+ is limited to max T_{amb}+ of used sensor -10°C

Ordering information:

Type number code:

HPH-XXXX-XXXX-XX

Choose a design combination from the chart below.

Measuring length (see drawing on opposite side)

Approved or Non-approved version:

- 1 Optional label with temperature class T3
- 2 Extra dead end max 1000 mm

Example: Approved short housing with M18 mounting threads and one side mounted cable gland with M20 threads and a measuring length of 650 mm:

HPH-0900-0650-A

Accessories

Item No.

M20 Stopping plug, ATEX, nickel plated brass

CGM-190204

M20 Cable gland, ATEX 4-8,5 mm, nickel plated brass

CGM-806675

M20 Cable gland, ATEX 10-16 mm, nickel plated brass

CGM-806605

M20 x 1.5 Cable gland, ATEX 4-8.5 mm cable diameter, stainless steel

CG-806679

M20 x 1.5 Cable gland, ATEX 10-16 mm cable diameter, stainless steel

CG-806609

316 L Steel nut for flange

M18 x 1.5

Spanner tool design 0100 to 2100

HPHX-Series-0100

Combination chart:

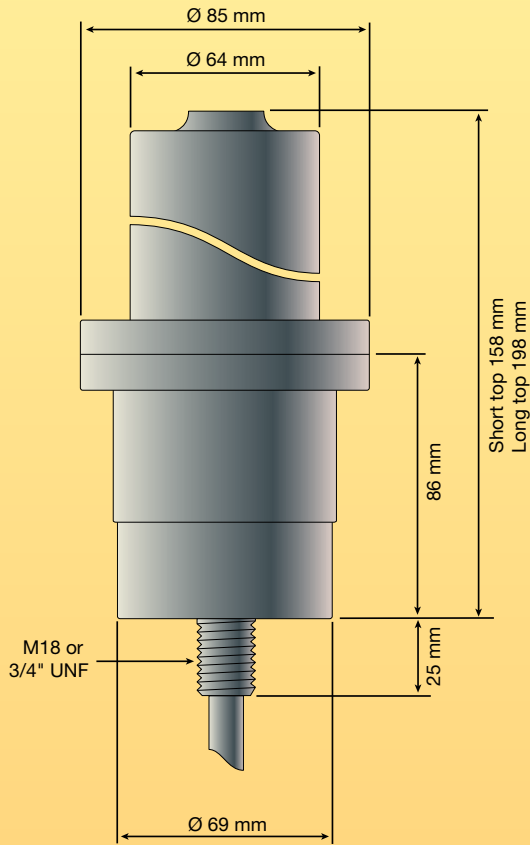
Bottom \ Top	 M18	 3/4" UNF	 M20	 1/2" NPT	 M20
Approval	ATEX				
 M20	0100	0600			
			0900	1000	1300
 M20	0300	0800			
					2100

 Standard

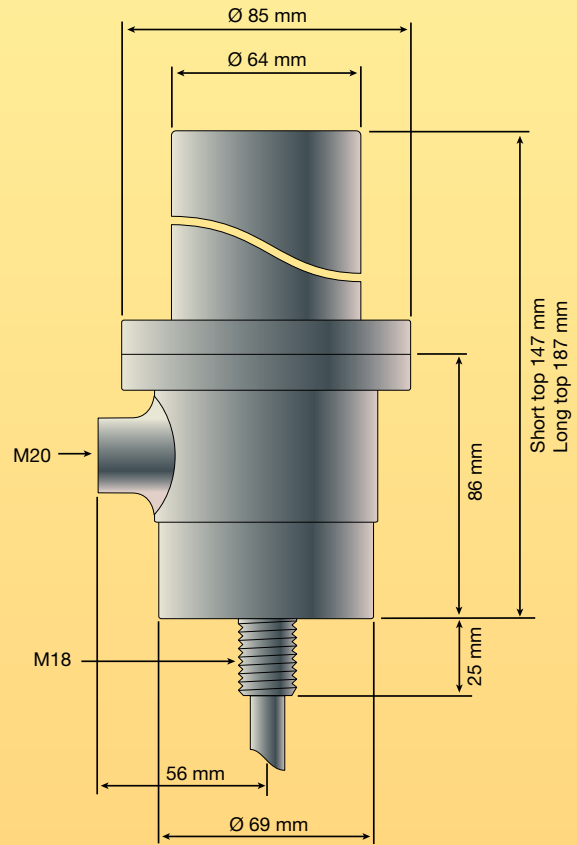
 Special order in quantities



Top mounted cable gland



Side mounted cable gland



HPH Rotation Adaptor

This adaptor allows you to adjust the position of the side opening when the HPH Housing is mounted in a cylinder. Pressure tested to 600 bar/8400 psi.

RTA-M18 is for use with the standard M18 housing thread and has a M30x1.5 mounting thread.

Your local representative