

EX PRESSOSTAT

Swiss based Trafag is a leading international supplier of high quality sensors and monitoring instruments for measurement of pressure and temperature.



Applications

- Ex PTB 10 ATEX 1026

Features

- Rugged aluminium housing Option: Housing stainless steel
- Protection IP66
- Any mounting position possible
-  II 2 G Ex de IIC T6
-  II 2 D Ex tD A21 IP66 T80°C

Technical Data

Measuring principle	Bellow	Media temperature	-40°C ... +150 °C
Measuring range	-0.9 ... 1.5 to 4 ... 40 bar	Ambient temperature	-50°C ... +65 °C
Output signal	Floating change-over contact	Approval	EN60730-1/ EN60730-2-6: Typ 2.B.H
Switching differential	Not adjustable	Type of protection	Areas with gaz explosion hazards: II 2 G Ex de IIC T6 Areas with dust explosion hazards: II 2 D Ex tD A21 IP66 T80°C
Repeatability	± 1.0 % FS typ.		

03/2015

Data sheet H72263k

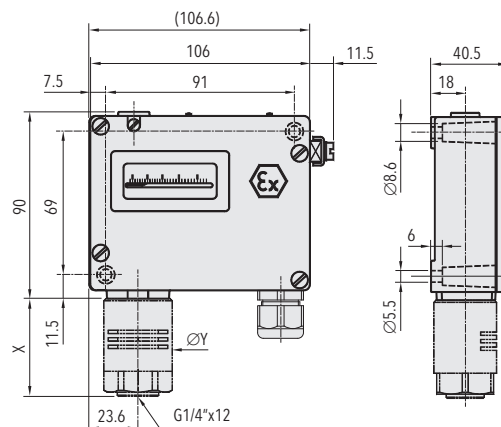
Subject to change

Ordering information/type code

					XXX	XX	XX	XXX	XX	XX
Custom build code	With display and adjusting screw				900					
	Without display, with adjusting screw				904					
	With display and adjusting knob				912					
Microswitch	Standard, not adjustable					91				
Range	Range [bar]	Over pressure [bar]	Burst pressure [bar]		Range [bar]	Over pressure [bar]	Burst pressure [bar]			
	-0.9 ... 1.5	10	13	72	1 ... 10	24	36	78		
	0.2 ... 1.6	10	13	73	1 ... 16	24	36	79		
	0.2 ... 2.5	10	13	75	2 ... 25	40	75	80		
	0 ... 4	12	26	76	4 ... 40	40	75	81		
	0 ... 6	12	26	77						
Sensor	Sensor material	Sensor housing material	Thread	Range		Sensor material	Sensor housing material	Thread	Range	
	1.4435	Brass nickel plated	G1/4" female	72	850	1.4435	Brass nickel plated	G1/2" male	76, 77	854
	1.4435	Brass nickel plated	G1/2" male	72	859	1.4435	Brass nickel plated	G1/4" female	78, 79	855
	1.4435	Brass nickel plated	G1/4" female	73, 75	851	1.4435	Brass nickel plated	G1/2" male	78, 79	856
	1.4435	Brass nickel plated	G1/2" male	73, 75	852	1.4435	Brass nickel plated	G1/4" female	80, 81	857
	1.4435	Brass nickel plated	G1/4" female	76, 77	853	1.4435	Brass nickel plated	G1/2" male	80, 81	858
Fixing	Direct on sensor or housing									00
	With mounting bracket									31
Accessories	Housing stainless steel									06
	Damping elements and snubber see data sheet H72258									

Standard products (extra short lead time)

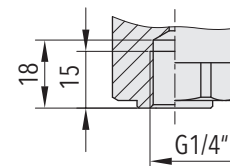
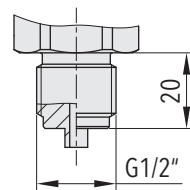
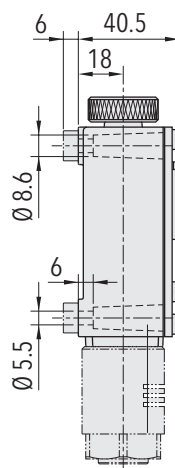
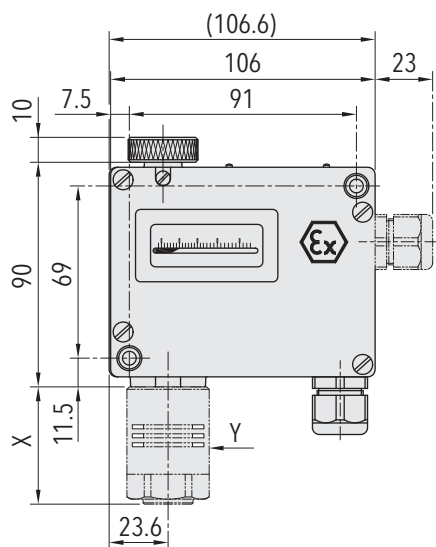
Product No.	Type Code	Pressure range [bar]	Over pressure max. [bar]	Switching differential [bar]	Diameter Y [mm]	Length X [mm]
EXP1.5	900 9172 850 00 0000 0000 02	-0.9 ... 1.5	10	0.2	45	56.5
EXP2.5	900 9175 851 00 0000 0000 02	0.2 ... 2.5	10	0.2	45	56.5
EXP6	900 9177 853 00 0000 0000 02	0 ... 6	12	0.4	33	47
EXP16	900 9179 855 00 0000 0000 02	1 ... 16	24	0.9	27	42.5



Specifications		
Accuracy	Repeatability	± 1.0 % FS typ.
	Scale accuracy typ.	± 2.0 % FS typ.
	Switching differential	See table
Environmental conditions	Ambient temperature	-50°C ... +65 °C
	Media temperature	-40°C ... +150 °C
	Storage temperature	-30°C ... +65 °C
	Protection	IP66 Accessory 06: IP66
	Humidity	Max.95 % relative
	Vibration	5...25 Hz: ±1.6 mm 25...100 Hz: 4g Ranges 72, 73, 75: 5...50 Hz: 20 mm/sec.
	Shock	50g/ 11ms
Mechanical Data	Sensor	See ordering information
	Housing	AlSi10Mg/ Epoxy coated Accessory 06: 1.4301 (AISI 304)
	Sealing	NBR
	Screwed cable gland	Polyamide
	Mounting torque	Max. 25 Nm
	Installation	any position
	Weight	~ 710 g
Microswitch	Rating	See table
	Resistance of insulation	> 2 MΩ
	Dielectric strength	1.45 kV terminal ground
	Life time (mechanical)	1 Mio. cycles
Electrical connection	Electrical connections	Terminal screw
	Cable gland	M20x1.5/SW24 Cable-Ø 5.5-13 mm Approval: PTB 99 ATEX 3128
	Terminal screw	3 x 0.5...1.5 mm ²

Additional information		
Documents	Data sheet	www.trafag.com/H72263
	Instructions	www.trafag.com/H73171
	Flyer	www.trafag.com/H70916

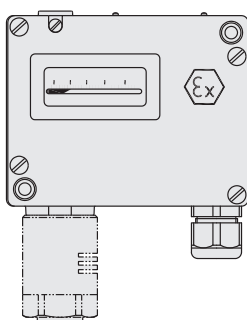
Dimensions



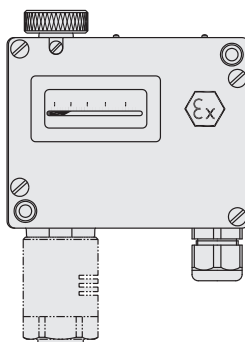
G1/2" male

G1/4" female

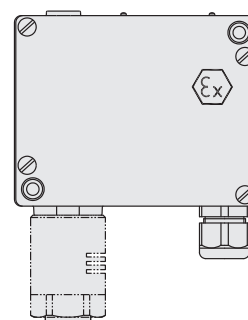
Dimension X and Y see data sheet H72271



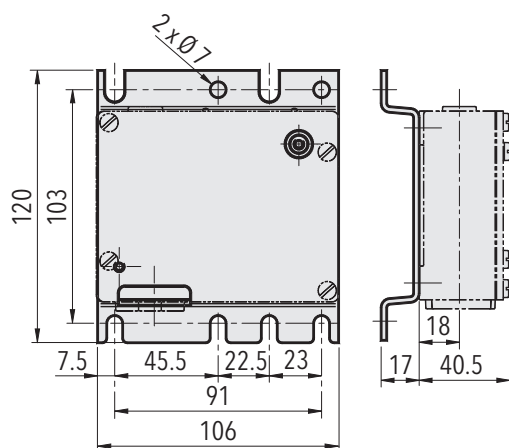
900



912



904



9XX.XXXX.XXX.31

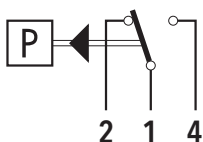
Switching differential typ.

Range of bellows sensor	[bar]	-0.9 ... 1.5 0.2 ... 1.6 0.2 ... 2.5	0 ... 4 0 ... 6	1 ... 10 1 ... 16	2 ... 25 4 ... 40
P max.	[bar]	10	12	24	40
Microswitch 91 Switching differential fixed value, not adjustable	[bar]	0.2	0.4	0.9	2.0

Electrical data switch

		Rating Resistive Load (Inductive Load)	
Type	Features	AC	DC
91	Standard BASO1ATEX2358U ⊠ II 2 G Ex d IIC T6	250V 5(5) A 125V 5(5) A	250 V 0.25 (0.03) A 125 V 0.5 (0.06) A 75 V 0.75 (0.25) A 50 V 1 (1) A 30 V 5 (3) A 15 V 5 (3) A

Electrical connection



Switch 91