

Main

Range of product	Telemecanique Pressure sensors XM
Pressure sensor type	Electromechanical vacuum sensor
Product specific application	ATEX D
Pressure sensor name	XMLB
Electrical circuit type	Control circuit
Pressure switch type of operation	Regulation between 2 thresholds
Scale type	Adjustable differential
Pressure rating	0.2 bar
Local display	With
Fluid connection type	G 1/4 (female) conforming to ISO 228
Adjustable range of switching point on falling pressure	-0.2...-0.02 bar
Adjustable range of switching point on rising pressure	-0.182...-0.002 bar
Possible differential maximum at high setting	0.18 bar
Maximum permissible accidental pressure	2 bar
Destruction pressure	3.5 bar
Pressure actuator	Diaphragm
Controlled fluid	Air (0...70 °C) Hydraulic oil (0...70 °C) Water (0...70 °C)
Materials in contact with fluid	Steel FPM, FKM Stainless steel
Enclosure material	Zinc alloy

Complementary

Maximum permissible pressure - per cycle	1 bar
Cable entry number	1 tapped entry for M20 x 1.5 cable gland (included)
Terminal block type	4 terminals
Repeat accuracy	2 %
Auxiliary contacts operation	Snap action
Contacts material	Silver contacts
Mechanical durability	3000000 cycles
Setting	External
Terminals description ISO n°1	(13-14-11-12)OF
Height	145 mm
Depth	155.5 mm
Width	150 mm

Environment

Standards	EN/IEC 60079-0 EN/IEC 60079-31
Directives	2014/34/EU - ATEX directive
Product certifications	INERIS 04ATEX0058 IEC-Ex INE 17.0019
Marking	II2 D-Ex tb IIIC T85°C Db IP66
Protective treatment	TC
Ambient air temperature for operation	-20...60 °C
Operating position	Any position

Packing Units

Package 1 Weight	3.900 kg
Package 1 Height	0.010 dm
Package 1 width	0.010 dm
Package 1 Length	0.020 dm

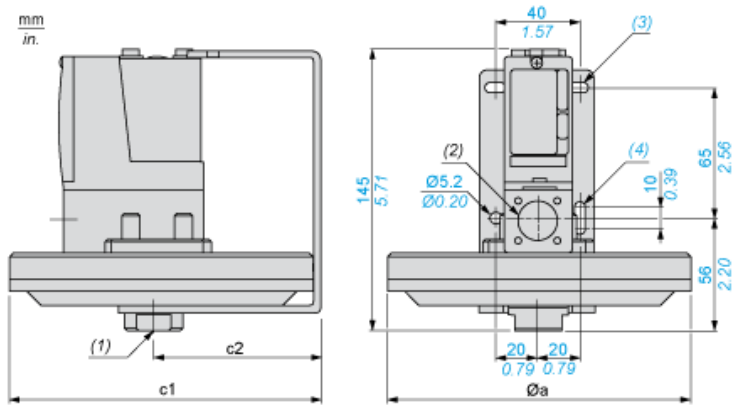
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Contractual warranty

Warranty	18 months
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Dimensions



$\varnothing a = 150$
 $c1 = 155.5$
 $c2 = 80.5$

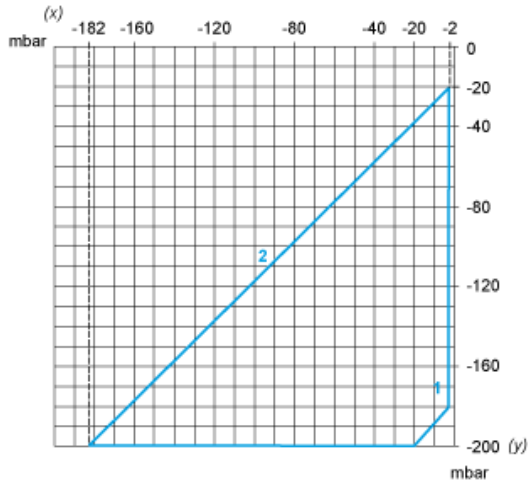
- (1) 1 fluid entry, tapped G1/4 (BSP female)
- (2) 1 electrical connections entry, tapped M20 x 1.5
- (3) 2 elongated holes $\varnothing 10.2 \times 5.2$
- (4) 1 elongated hole $\varnothing 15.2 \times 5.2$

Wiring Diagram

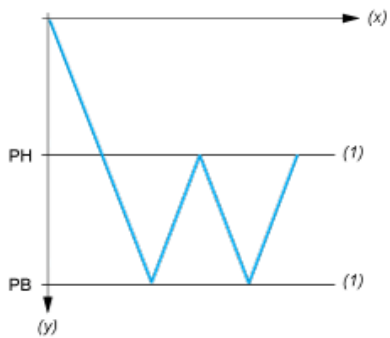
Terminal Model



Operating Curves



- (x) Rising pressure
- (y) Falling pressure
- 1 : Maximum differential
- 2 : Minimum differential



- (x) Time
- (y) Vacuum
- (1) Adjustable value
- PH : High point
- PB : Below point