

XM Sensors for pressure control

Electronic sensors XMLP Low pressure

For industrial applications
(hydraulic circuits, water pumping)



Pressure range (bar) (1)	-1...0	0...0,5	0...1	0...2,5	0...4	0...6	-1...+1	-1...+5
Fluids controlled	Hydraulic oils, air, fresh water							
Ambient air temperature	- 30... + 85°C							
Degree of protection	IP65 (EN175301-803-A), IP65, IP67, IP69K (M12 connector)							
Product certification	CE, cULus conforming to UL 61010-1, NSF61							
Voltage limits (V) (V)	7...33 Vdc for 4...20 mA, 12...33 Vdc for 0...10 V							
Dimensions (mm) H x W x D	26 x 34,3 (M12), 26 x 55 (EN175301-803-A)							
Fluid connection (2)	G1/4A (male)							
Electrical connection (3)	M12 4-pin, EN175301-803-A							
Output type (4)	4...20 mA 2-wires technique, 0...10V 3-wires technique							
Analogue output 4...20 mA	M12 4-pins	XMLPM00GD21F	XMLP500MD21F	XMLP001GD21F	XMLP2D5GD21F	XMLP004GD21F	XMLP006GD21F	XMLPM01GD21F
	EN175301-803-A	XMLPM00GC21F	XMLP500MC21F	XMLP001GC21F	XMLP2D5GC21F	XMLP004GC21F	XMLP006GC21F	XMLPM01GC21F
Analogue output 0...10 V	M12 4-pins	XMLPM00GD71F	XMLP500MD71F	XMLP001GD71F	XMLP2D5GD71F	XMLP004GD71F	XMLP006GD71F	XMLPM01GD71F
	EN175301-803-A	XMLPM00GC71F	XMLP500MC71F	XMLP001GC71F	XMLP2D5GC71F	XMLP004GC71F	XMLP006GC71F	XMLPM01GC71F

1) Also available with psi range (2) Also available with 1/4"-18NPT male or 7/16-20UNF female (3) Also available with 3-pins packard connector (4) Also available with 0.5...4.5 V ratiometric output Available in bulk packs for selling in lots of 25 pcs. Add Q suffix to the reference, ex: XMLP001GD21F becomes **XMLP001GD21FQ**

Electronic sensors XMLP High pressure

For industrial applications
(hydraulic circuits, HVAC)



Pressure range (bar) (1)	-1...+9	0...10	0...16	0...25	0...60	0...100	0...250	0...400
Fluids controlled	Hydraulic oils, air, fresh water, gas, refrigeration fluids from - 30... + 135°C							
Ambient air temperature	- 30... + 85°C							
Degree of protection (IEC 60529)	IP65 (EN175301-803-A), IP65, IP67 and IP69K (connector M12)							
Product certification	CE, cULus conforming to UL61010-1, NSF61							
Voltage limits (V)	7...33 V DC for 4...20 mA, 12...33 V DC for 0...10 V							
Dimensions (mm) Ø x L	26 x 38 (M12), 26 x 60,5 (EN175301-803-A)							
Fluid connection (2)	G 1/4 A (male)							
Electrical connection (3)	connector M12 4-pins, EN 175301-803-A							
Output type (4)	4...20 mA, technique 2-wires, 0...10V, technique 3-wires							
Analogue output 4...20 mA	M12 4-pins	XMLPM09BD21F	XMLP010BD21F	XMLP016BD21F	XMLP025BD21F	XMLP060BD21F	XMLP100BD21F	XMLP250BD21F
	EN175301-803-A	XMLPM09BC21F	XMLP010BC21F	XMLP016BC21F	XMLP025BC21F	XMLP060BC21F	XMLP100BC21F	XMLP250BC21F
Analogue output 0...10 V	M12 4-pins	XMLPM09BD71F	XMLP010BD71F	XMLP016BD71F	XMLP025BD71F	XMLP060BD71F	XMLP100BD71F	XMLP250BD71F
	EN175301-803-A	XMLPM09BC71F	XMLP010BC71F	XMLP016BC71F	XMLP025BC71F	XMLP060BC71F	XMLP100BC71F	XMLP250BC71F

(1) Also available with psi range (2) Also available with 1/4"-18NPT male or 7/16-20UNF female (3) Also available with 3-pins packard connector (4) Also available with 0.5...4.5 V ratiometric output. Available in bulk packs for selling in lots of 25 pcs. Add Q suffix to the reference, ex: XMLP001GD21F becomes **XMLP001GD21FQ**



Switch with display ZMLP

Only usable with 4-20mA analogue output pressure transmitter

Type of switching mode	Hysteresis	Windows
Displayed value range	-14,5 to 6000 with 27 selectable value ranges	
Degree of protection	IP65, IP67 and IP69K	
Product certification	CE cULus	
Supply voltage	24 VDC (17 ... 33 VDC)	
Electrical connection	Input: M12 female, 4-pins. Output: M12 male, 4-pins	
Analogue output	Switching output	
4...20 mA	PNP	ZMLPA1P2SH
4...20 mA	NPN	ZMLPA1N2SH
-	2 PNP	ZMLPA2P0SH
-	2 PNP	ZMLPA2N0SH

Accessories

Quick fixing bracket



Horizontal plan

XMLPZLH01



Vertical plan or pipe

XMLPZLV01

Electronic sensors XMLK

Electrical connection by EN 175301-803-A connector, M12 connector

For pumping applications



Pressure range (bar) (1)	0...6	0...10	0...16	0...25	0...6	0...10	0...16	0...25	
Fluids controlled	air, fresh water								
Ambient air temperature	0...+ 80°C								
Degree of protection (IEC 60529)	IP65								
Product certification	CE, UL, CSA								
Voltage limits (V)	8...33 V DC for 4...20 mA, 16,2...33V DC for 0...10 V								
Dimensions (mm) Ø x L	36 x 67,5 (not including connector)								
Fluid connection (2)	G 1/4" A (male)								
Electrical connection (3)	EN 175301-803-A				M12 3-pins male				
Output type (4)	4...20 mA, 2-wires technique, 0...10V, 3-wires technique								
Analogue output	4...20 mA	XMLK006B2C21	XMLK010B2C21	XMLK016B2C21	XMLK025B2C21	XMLK006B2D21	XMLK010B2D21	XMLK016B2D21	XMLK025B2D21
	0...10 V	XMLK006B2C71	XMLK010B2C71	XMLK016B2C71	XMLK025B2C71	XMLK006B2D71	XMLK010B2D71	XMLK016B2D71	XMLK025B2D71

(1) Also available with psi range. psi (2) Also available with 1/4"-18NPT male fluid entry. (3) Also available with 3-pins packard connector. (4) Other types of output; 0...5 V, 0...10 V, etc. Available in bulk packs for selling in lots. Add TQ suffix to the reference, ex: XMLK006B2C21 becomes **XMLK006B2C21TQ**.

Electronic sensors XMLR

Electronic + Display



Adjustable pressure range (bar) (1)	-1...0	0...1	0...2,5	0...10	0...16	0...25	0...40	0...250	0...400	
Fluids controlled	Hydraulic oils, air, fresh water, refrigerant fluids, gas									
Ambient air temperature	- 20...+ 80°C									
Degree of protection (conforming to IEC 60529)	IP65, IP67 conforming to EN/IEC 60529									
Product certification	CE, cULus conforming to UL 61010-1, NSF61									
Voltage limits (V)	17...33 Vdc									
Dimensions (mm) H x W x D	93 x 41 x 42							88 x 41 x 42		
Fluid connection (2)	G1/4A (female)									
Electrical connection	M12 connector 4-pins or 5-pins									
Configurable with 4-digit display										
Analogue output	4...20 mA	XMLRM01G0T25	XMLR001G0T25	XMLR2D5G0T25	XMLR010G0T25	XMLR016G0T25	XMLR025G0T25	XMLR040G0T25	XMLR250M0T25	XMLR400M0T25
	0...10 V	XMLRM01G0T75	XMLR001G0T75	XMLR2D5G0T75	XMLR010G0T75	XMLR016G0T75	XMLR025G0T75	XMLR040G0T75	XMLR250M0T75	XMLR400M0T75
Analogue output + commutation	4...20 mA	XMLRM01G1P25	XMLR001G1P25	XMLR2D5G1P25	XMLR010G1P25	XMLR016G1P25	XMLR025G1P25	XMLR040G1P25	XMLR250M1P25	XMLR400M1P25
PNP - NO/NC programmable	0...10 V	XMLRM01G1P75	XMLR001G1P75	XMLR2D5G1P75	XMLR010G1P75	XMLR016G1P75	XMLR025G1P75	XMLR040G1P75	XMLR250M1P75	XMLR400M1P75
2 switching outputs PNP - NO/NC prog.		XMLRM01G2P05	XMLR001G2P05	XMLR2D5G2P05	XMLR010G2P05	XMLR016G2P05	XMLR025G2P05	XMLR040G2P05	XMLR250M2P05	XMLR400M2P05
Analogue+2 switching outputs	4...20 mA	XMLRM01G2P25			XMLR010G2P25	XMLR016G2P25		XMLR040G2P25	XMLR250M2P25	XMLR400M2P25
Possible differential (bar)	Min.	0.03		0.08	0.3	0.48	0.8	1.2	7.5	12
(pressure switches)	Max.	0.95		2.38	9.5	15	23.8	38	238	380
Maximum permissible accidental pressure		3	7.5	12	40	62	100	150	750	1200

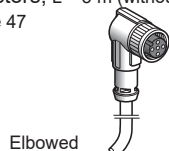
(1) For other pressure ranges consult our web site.

(2) Also available with 1/4"-18NPT female fluid entry.

Suitable female plug-in connectors

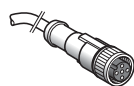
PUR Pre-wired connectors, L = 5 m (without LED) (1)

(1) For PVC cable see page 47



Elbowed

XZCP1241L5



Straight

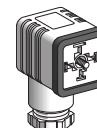
XZCP1141L5

Other connectors



Screw terminal

XZCC12FCM40B



EN 175301-803-A

XZCC43FCP40B