



Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMLP
Electrical circuit type	Control circuit
Pressure rating	160 Bar
Local display	Without
Controlled fluid	Air (-30...135 °C) Fresh water (0...135 °C) Hydraulic oil (-30...135 °C) Gas (-30...135 °C) Refrigeration fluid (-30...135 °C)
Fluid connection type	G 1/4A (male) conforming to DIN 3852-E
Electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	24 V DC SELV (voltage limits: 12...33 V)
Current consumption	< 7 mA
Type of output signal	Analogue
Analogue output function	0...10 V, 3-wire
Quantity per set	Set of 1
Type of packing	Individual

Complementary

Pressure setting range	0...160 Bar
Maximum permissible accidental pressure	480 Bar
Destruction pressure	960 Bar
Materials in contact with fluid	Stainless steel AISI 316L Fluorocarbon FPM
Operating position	Any position
Protection type	Load short-circuit Reverse polarity

Electromagnetic compatibility	Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 2 kV Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 μ s shock waves immunity test conforming to EN/IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields conforming to EN/IEC 61000-4-8 100 A/m 50 Hz Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 10 V/m 80...3000 MHz Radiated RF fields conforming to EN/IEC 61000-4-6 10 V 0.01...80 MHz
[Uimp] rated impulse withstand voltage	0.5 KV
Response time on output	$\leq$ 2 ms 10...90 % of full scale
Measurement accuracy	+/- 0.5 % of the measuring range
Accuracy	0.1 % of the measuring range
Drift of the sensitivity	+/- 0.02 % of measuring range/°K
Drift of the zero point	+/- 0.02 % of measuring range/°K
Mechanical durability	10000000 Cycles
Product weight	0.094 Kg
Diameter	26 Mm
Length	38.1 Mm

Environment

Standards	NSF ANSI 61 EN/IEC 61326-2-3
Product certifications	RCM CULus CE EAC
Protective treatment	TC
Ambient air temperature for operation	-30...85 °C
Ambient air temperature for storage	-50...100 °C
Vibration resistance	20 gn (f = 15...2000 Hz) conforming to EN/IEC 60068-2-6
Shock resistance	100 gn for 11 ms conforming to EN/IEC 60068-2-27
IP degree of protection	IP65 conforming to EN/IEC 60529 IP67 conforming to EN/IEC 60529 IP69K conforming to EN/IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	94 G
Package 1 Height	4 Cm
Package 1 width	7.6 Cm
Package 1 Length	4.4 Cm
Unit Type of Package 2	S01
Number of Units in Package 2	24
Package 2 Weight	2.523 Kg
Package 2 Height	15 Cm
Package 2 width	15 Cm
Package 2 Length	40 Cm

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

Product Life Status : **Commercialised**

Mouser Electronics

Authorized Distributor

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