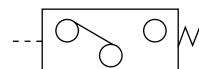




Symbol



Specification

Item		Standard Type	
		Low pressure Application EPX-R01	High pressure Application EPX-R10
Pressure Sensing Element		Diffusion Semiconductor Pressure Sensor	
Applicable Fluid		Air or non-corrosive SUS316L fluids	
Pressure Form		Gauge Pressure	
Rated Pressure Range		-101.3~+101.3kPa	-101.3kPa~+1MPa
Set Pressure Range		-101.3~+101.3kPa	-101.3kPa~+1MPa
Unit Representation		kPa	MPa
Minimum Unit of Representation		0.1kPa	0.001MPa
Unit Switching Function		Mpa, kPa, kgf/cm ² , bar, psi, mmHg, inchHg	
Guaranteed Withstand Pressure		200kPa	1.5MPa
Repeatability Precision		±0.2% Full Scale(Within ±2-digit)	±0.2% Full Scale(Within ±2-digit)
Temperature Characteristics (20° as the benchmark)		Within ±0.5 full scale	Within ±1 full scale
Display		4-digit+4-digit tri-color LED display(Display update cycle: 250ms,1000ms select with the operation keys)	
Display Light		Red, green and orange LED (Comparison output 1 action display light, comparison output 2 action display light: When the comparison output is ON, the light is on.	
Power supply voltage		12~24V,DC±10%,Fluctuation below P-P10%	
Power		Usually: below 840mW (under 35nW in voltage 24V) Energy-saving mode: below 600mW in standard time (under 25mW in voltage 24V) and below 480mW in full scale (under 20mW in voltage 24V).	
Comparative Output (Switched Output)	NPN Output Type	NPN Diode, open Connector, maximum Inflow Current: 100mA, additional Voltage: below 30VDC (When comparison output 0V),residual voltage: below 2V (when the outflow current is 100mA)	
	Output Action	Normally open/Normal close select with the operation keys	
	Output Mode	Simple Mode / Hysteretic mode / Window Comparison Mode	
	Response Deviation(Hysteresis)	Minimum 1-digit (variable)	
	Response Time	2.5ms, 5ms, 10ms, 25ms,50ms,100ms, 250ms, 500ms,1000ms, 5000ms select with the operation keys	
Short Circuit Protection		Standard	
Environmental Resistance	Enclosure	IP65	
	Operating Temperature Range	-10~+50°C, stored: -10~+60°C	
	Operating Humidity Range	35~85%RH(But not dew or ice), stored: 35~85%RH	
	Voltage Withstand	AC1000V for 1 minute, between terminals and housing	
	Insulation Resistance	Below DC500V,more than 50MΩ measured via megohmmeter, between terminals and housing	
	Vibration Resistance	10~500Hz, amplitude 3mm, XYZ in each direction for 2 hours	
Impact Resistance		100m/S2 (about 10G), XYZ in each direction for 3 times	
Connecting Mode		Connector	
Connecting Port		M5 female thread+R (PT) 1/4 male thread	
Weight		Body weight: about 40g, Whole package: about 135g	
Accessories		EPX wiring (2M cable with connector):1 pcs	

FRL

AC,BC

AFC,BFC

AF,BF

AR,BR

AFR,BFR

AL,BL

JAC

JAF

JAR

JAW

JAL

FE

GC

ZYR10

JAD

MPX

EPX

EPX Series

Digital Pressure Sensor



FRL

AC,BC

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ZYR10

JAD

MPX

EPX

EPX	R01	N	□	8M	□	KA	□
	Pressure Range	Output Type	Measuring Liquid	Piping size	Cable	Unit Switching	Display Angle
	R01 -101.3~-101.3kPa	N P NH PH -485	R: Non-corrosive fluid for SUS-316 stainless steel and Viton R1: Special type for electrolyte resistance *	R1/4 8M: M5 Female Thread	2 meter blank: cable with connector	With unit KA: switching function	Blank: At standard 12 o'clock D6: Display direction from bottom to top

*Our company used MJS-LBE01-180101 electrolyte for immersion test, and there was no abnormality. There was no data support for other electrolytes.

Accessories Model

Symbol	Content
EPX-KL	Mounting bracket (With mounting screw)
CPX-ZJT	Adapter (RC1/4 to RC1/8,M5)

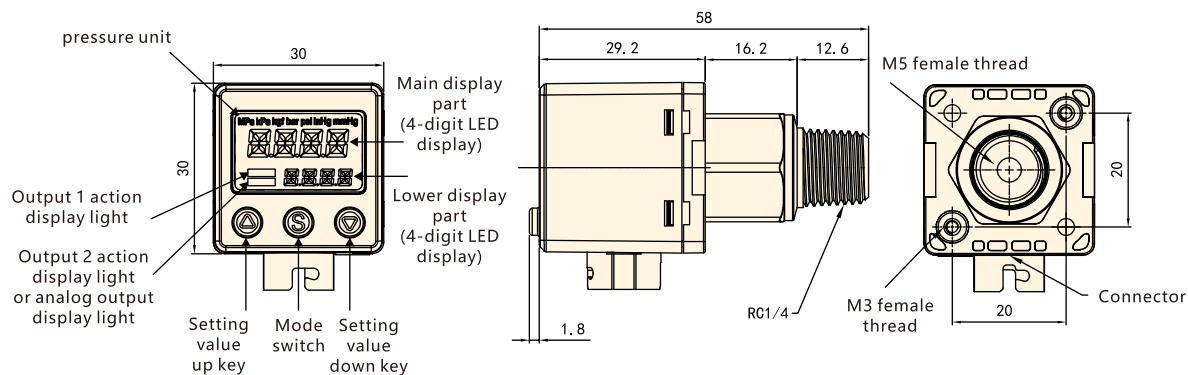
Notice



*If use the picture on the left to see the direction, please use products of D6 display direction.

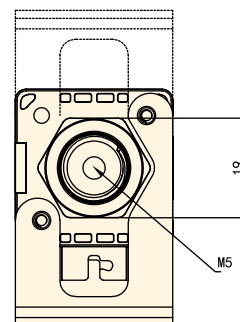
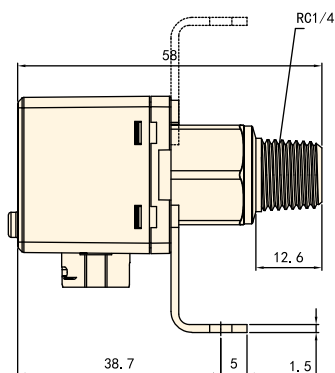
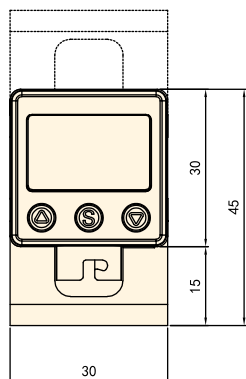
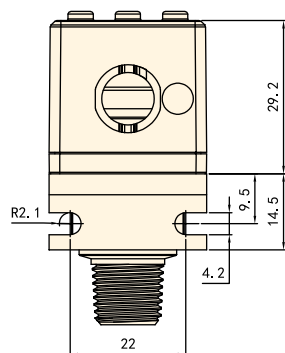
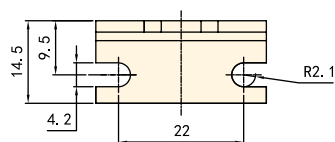
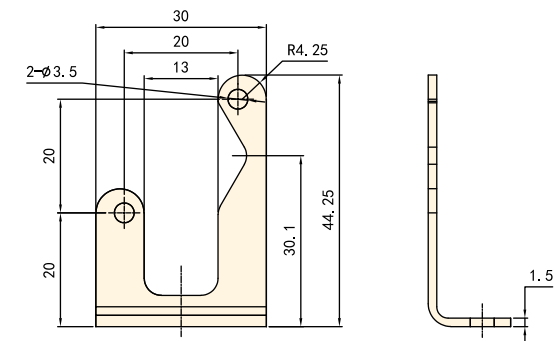
Dimension

► EPX-R□□-8M(R thread)



Dimension with accessories

► Mounting Bracket (EPX-KL)



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