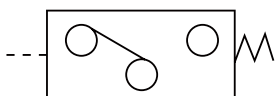




Symbol



Ordering Code

MPX	-	R01	-	N	-		-	6M	-		-	KA	-	
														
		Pressure Range		Output Type		Measuring Liquid		Piping Size		cable		Unit Switching		Display Angle
		R01 -101.3~101.3kPa		N P		blank: Air or non-corrosive gas R: Non-corrosive fluid for SUS-316 stainless steel and Viton		R1/8 6M: 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
		R10 -101.3kPa~1MPa		NH PH -485										

FRL

AC,BC

AFC,BFC

AF,BF

AR,BR

AFR,BFR

AL,BL

JAC

JAF

JAR

JAW

JAL

FE

GC

ZYR10

JAD

MPX

EPX

MPX Series

Digital Pressure Sensor



FRL

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JAD

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EPX

Specification

Item		Standard Type	
		Low pressure Application MPX-R01	High pressure Application MPX-R01
Pressure Sensing Element		Diffusion Semiconductor Pressure Sensor	
Applicable Fluid		Air or Non-Corrosive Gas	
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		±0.1% 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 30DC (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	IP40 (IEC)	
	Operating Temperature Range	-10~+50°C, stored: -10~+60°C	
	Operating Humidity Range	35~85%RH ((No condensation or freezing), 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	10~500 Hz, amplitude 3mm, XYZ in each direction for 2 hours (When installing the panel: 10~15 Hz, amplitude 0.75mm, 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) 1/8 male thread	
Weight		Body weight: about 40g, Whole package: about 135g	
Accessories		MPX-C2 wiring (2M cable with connector) : 1 pcs	

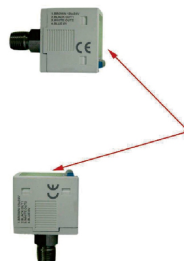
Accessories Model

MPX — C2

Symbol	Item	Content
C2		2M cable with connector
KL		Mounting bracket (With mounting screw
KHS		With panel bracket
KCB		Transparent panel protective cover

*MPX-R□□R-6M-KA, R stands for corrosion resistance sensor.

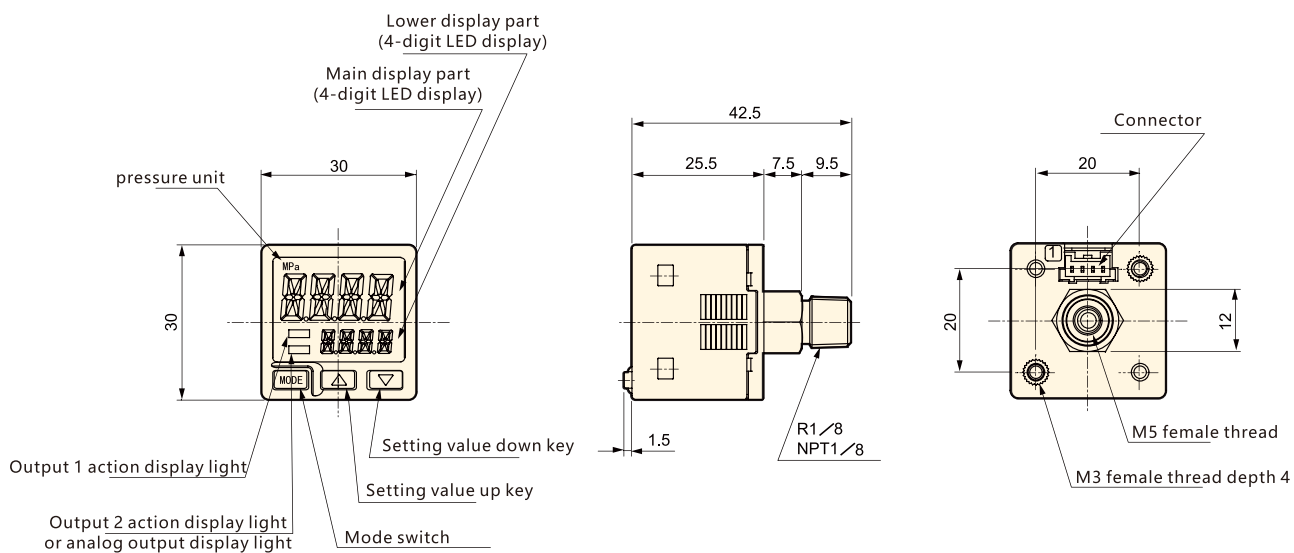
Notice



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

Dimension

► MPX-R□□-6M(R thread)



FRL

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ZYR10

JAD

MPX

EPX

MPX Series

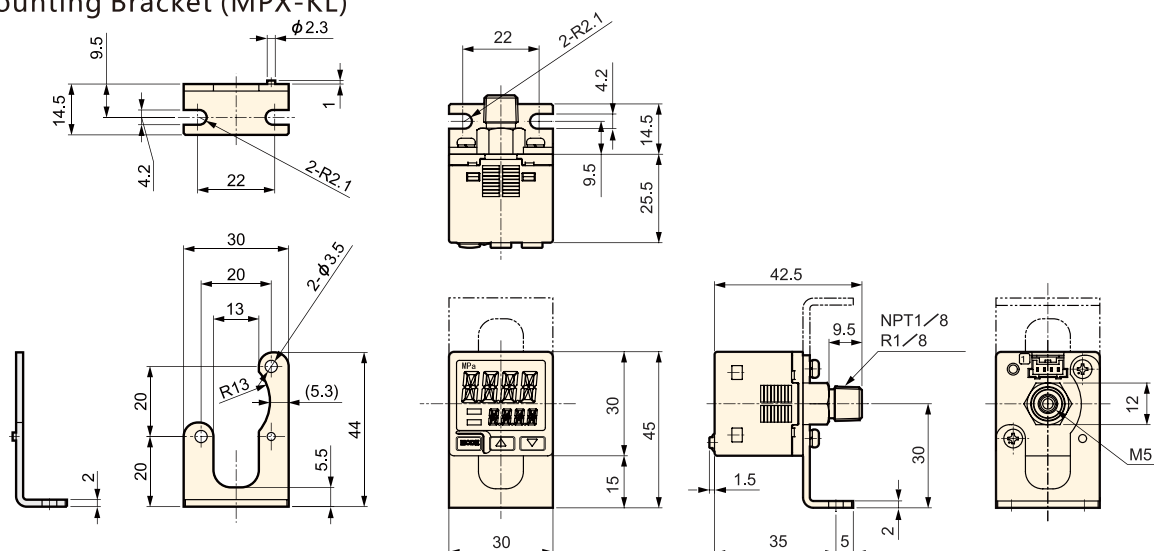
Digital Pressure Sensor



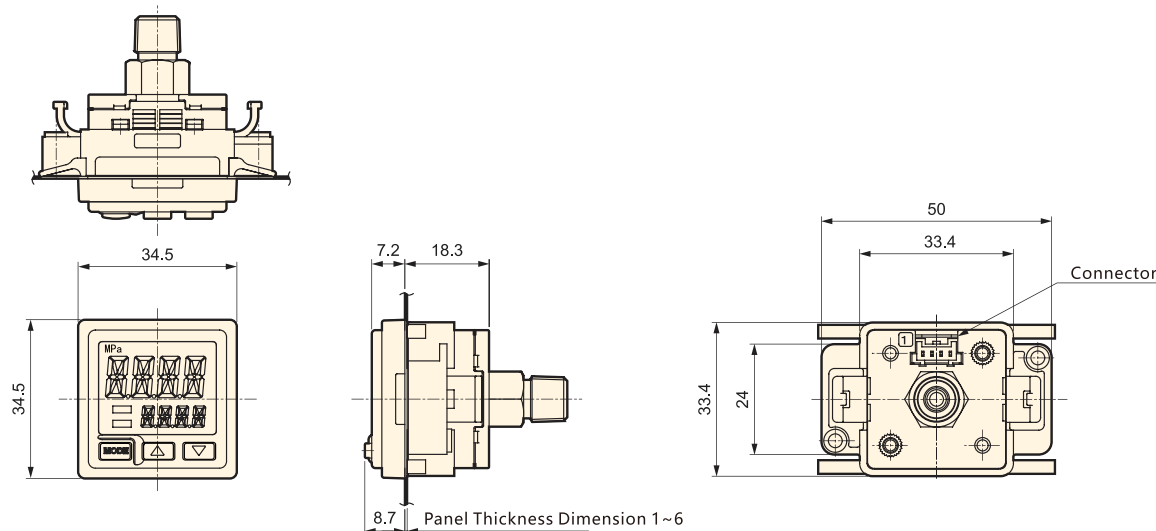
FRL
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EPX

Dimension with accessories

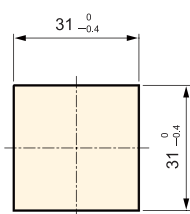
► Mounting Bracket (MPX-KL)



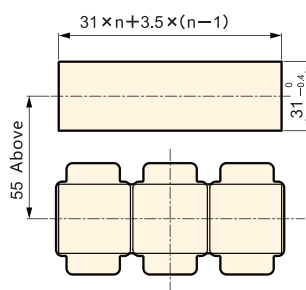
► Panel Mounting Bracket (MPX-KHS) Assembly Dimension



► Dimensions of panel openings The situation of installing 1 pcs

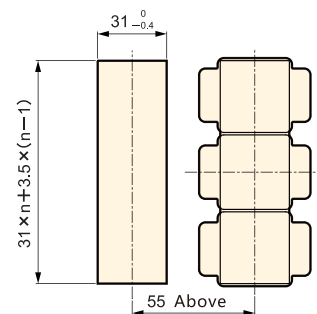


► Multiple horizontally continuous installations



*Please set the panel thickness to 5~6mm.

► Multiple vertically continuous installations



*Please set the panel thickness to 5~6mm.