Compact Manometer
Series PPA
PPA100/101/102



How to Order

PPA10 0 – □ – □ – M

Pressure specifications

0	–0.1 to 1 MPa (For high pressure)
1	–101 to 10 kPa (For vacuum)
2	–10 to 100 kPa (For low pressure)

Option/Case holder

Nil	None
B	With PPA-B

Unit specifications

Nil	With the unit switching function(1)
M	Fixed in SI unit (2)

Note 1) With unit switching function is not permitted to sell for the domestic use in Japan, because the new Weight and Measure Act has been implemented since October '99.
Note 2) Fixed unit
For vacuum/compound pressure: kPa For positive pressure: MPa

One-touch fitting type

Symbol	Applicable tubing size	One-touch fitting	Applicable tubing material
Nil	None	None	None
04	ø4 (mm size)	KJH04-M5	Nylon Soft nylon Polyurethane
06	ø6 (mm size)	KJH06-M5	

Specifications

Model		**PPA100** for high press.	**PPA101** for vacuum	**PPA102** for low press.
Rated pressure range		–0.1 to 1 MPa	–101 to 10 kPa	–10 to 100 kPa
Pressure display		3 digit LCD back light		
Pressure display discrimination		1/100		
Mini. display units Note)	kPa	——	1	1
	MPa	0.01	——	——
	mmHg	——	5	——
	kgf/cm²	0.1	0.01	0.01
	inHg	——	0.2	——
	PSI	1	0.1	0.1
	bar	0.1	0.01	0.01
Error display		Over pressure, Memory data error, Change battery sign		
Function		Peak/bottom display, Backlight, Auto power OFF Zero clear, Units display switching		
Withstanding pressure		1.5 MPa	200 kPa	200 kPa
Fluid		Air, Non-corrosive gases		
Power supply		3 V (DC), Type AA dry cell x 2 pcs.		
Battery life		12 months continuous operation (Without backlighting, temperature conditions: at 25°C)		
Response speed		250 ms		
Display accuracy		±2% F.S. or less (Temperatue conditions: at 25°C)		
Repeatability		±1% F.S. or less (Temperatue conditions: at 25°C)		
Temperature characteristics		±3% F.S. or less (0 to 50°C with 25°C standard)		
Piping port		M5 x 0.8		
Ambient operating temperature		0 to 50°C (With no condensation)		
Ambient operating humidity		35 to 85% RH (With no condensation)		
Shock resistance		980 m/s² X, Y, Z directions, 3 times each		
Enclosure		IP40 (IEC standard)		
Weight		Approx. 100 g (Unit 50 g, batteries 50 g)		

∗ 2 pcs. of type AA dry batteries (manganese R6 or alkaline LR6) are not included.
Note) For the unit switching function (Types without the unit switching function is fixed in SI unit (kPa or MPa).)

SMC

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