

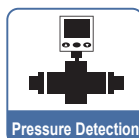
KP60 SERIES

Battery Pressure Gauge

Features

- Digital pressure gauge with battery power
- Selectable pressure unit :
kPa, MPa, kgf / cm², bar, psi, mmHg
- Power save function
- Battery meter displayed on LCD
- Backlight type available
- IP65 enclosure

Battery Meter



Specifications

MODEL		KP60V	KP60VL	KP60P	KP60PL
		Vacuum Pressure		Positive Pressure	
Rated Pressure Range		0 ~ -101 kPa		0.000 ~ 1.000 MPa	
Display Pressure Range		10 ~ -101 kPa		-0.100 ~ 1.000 MPa	
Withstand Pressure		300 kPa		1.5 MPa	
Applicable Fluid		Filtered air, Non-corrosive / Non-flammable gas			
Pressure Resolution	kPa	1		-	
	MPa	-		0.001	
	kgf / cm²	-		0.01	
	bar	0.01		0.01	
	psi	0.1		0.1	
	mmHg	1		-	
Battery		CR 2032 lithium			
Back Light		No	Yes	No	Yes
Battery Life		3 years (5 times / day)	1 year (5 times / day)	3 years (5 times / day)	1 year (5 times / day)
Low-Power Indicator		Yes			
Battery Replaceable		Yes			
Turn-On Interval		Display turn off after 60 sec.			
Sampling Rate		2 Hz (2 times / sec.)			
Programmable Pressure Unit		psi, bar, mmHg, kPa		psi, bar, kgf / cm², MPa	
Repeatability		± 1 % F.S. ± 1 digit		± 0.2 % F.S. ± 1 digit	
Display		3 ½ digital, 7 segment LCD display (Black)			
Indicator Accuracy		± 2 % F.S. ± 1 digit (Ambient temperature : 25 ± 3 °C)			
Environment	Enclosure	IP65 ※1			
	Ambient Temp. Range	Operation : 0 ~ 50 °C ; storage : -10 ~ 60 °C (No condensation or freezing)			
	Ambient Humidity Range	Operation / Storage : 35 ~ 85 % RH (No condensation)			
	Vibration	Total amplitude 1.5 mm or 10 G, 10 Hz ~ 55 Hz ~ 10 Hz scan for 1 minute, 2 hours each direction of X, Y and Z			
	Shock	100 m/s² (10 G), 3 times each in direction of X, Y and Z			
Temperature Characteristic		± 2 % F.S. of detected pressure (25 °C) at temp. (Range of 0 ~ 50 °C)			
Port Size		F1 : R1/8", M5 ; F2 : NPT1/8", #10-32 UNF ; F3 : G1/8" (BSPP), M5 F4 : R1/4", M5 ; F5 : NPT1/4", #10-32 UNF ; F6 : G1/4" (BSPP), M5			
Weight		Approx. 40 g			

NOTE

※1 : Air tube must be installed to maintain IP65.

Ordering Information

K P 6 0 P - F 1

Pressure Range

V : Vacuum pressure
(10 ~ -101 kPa)
P : Positive pressure
(-0.100 ~ 1.000 MPa)

Back Light

Blank : Back light unavailable
L : Back light available

Optional Parts

BT-5 : Mounting bracket PA-C : Panel adapter
BT-6 : Mounting bracket PA-D : Panel adapter + Front protective lid

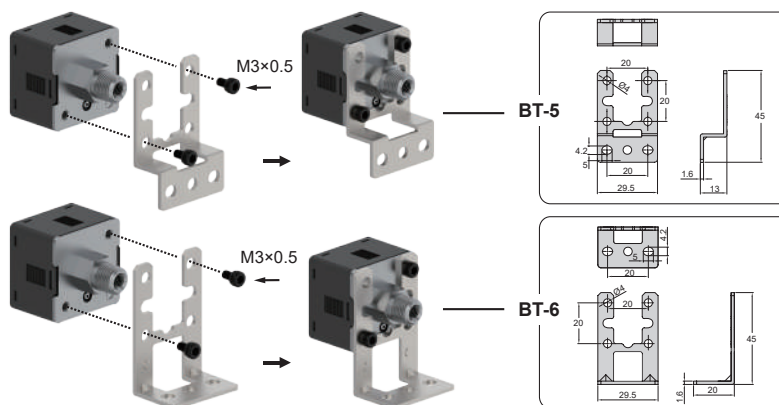
Optional Parts

■ Mounting Bracket : BT-5 / BT-6 ■ Panel Adapter : PA-C ■ Panel adapter + Front protective lid : PA-D

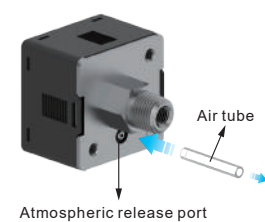


Optional Parts Dimensions

1 Mounting Bracket



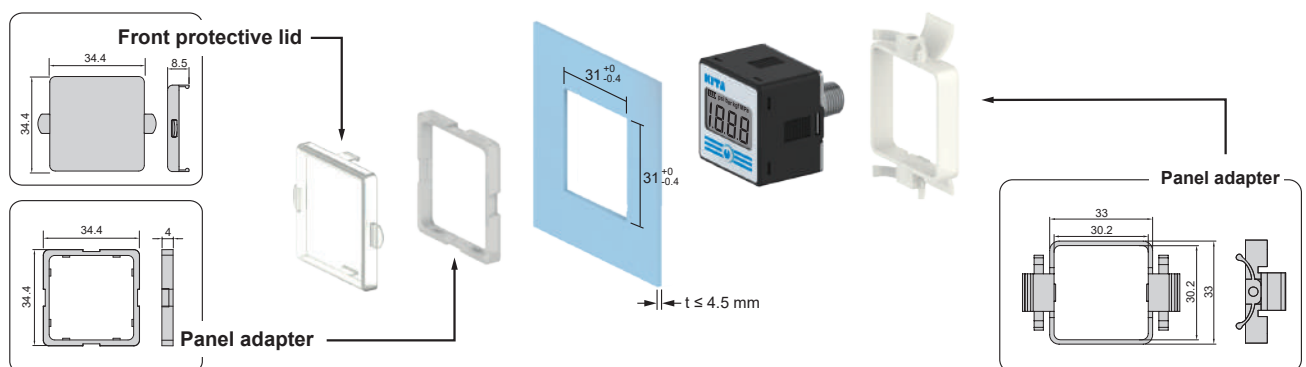
3 IP65 Protector



Caution :

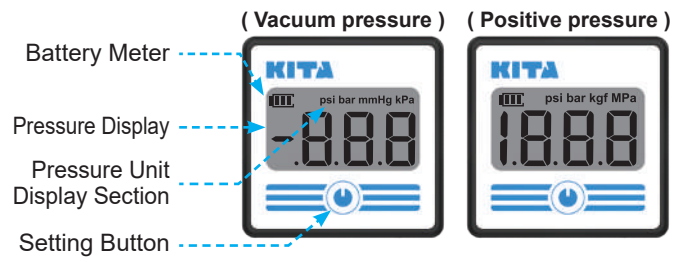
- To maintain IP65, please insert an air tube (O.D. : 4 mm) into atmospheric release port and pipe the other end away from dust / spattering liquid environment.
- Use proper air tube dimension of O.D. : 4 mm, I.D. : 2.5 mm, and the length is depending on the user's environment.

2 Panel Mount Adapter + Front Protective Lid



Unit : mm

Panel Description



Dimensions

