

KP60 SERIES

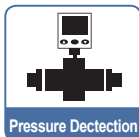
Battery Pressure Gauge

Features

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

Patented

Battery Meter



Specifications

MODEL	KP60V (Vacuum)	KP60VL (Vacuum)	KP60P (Positive)	KP60PL (Positive)
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, incombustible and non-corrosive gases			
Pressure Resolution	kPa	1	-	
	MPa	-	0.001	
	kgf / cm ²	-	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 / cm ² , 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	IP 65 *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, two hours each direction of X, Y and Z		
	Shock	100 m/s ² (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"NPT, #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 (10 ~ -101 kPa)
P : Positive (-0.100 ~ 1.000 MPa)

Back Light

Blank : Back light unavailable
L : Back light available

Optional Parts

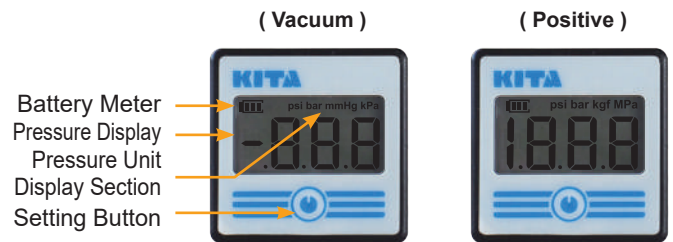
BT-5 : Mounting bracket PA-C : Panel adapter
BT-6 : Mounting bracket PA-D : Panel adapter + Front protective lid

Optional Parts

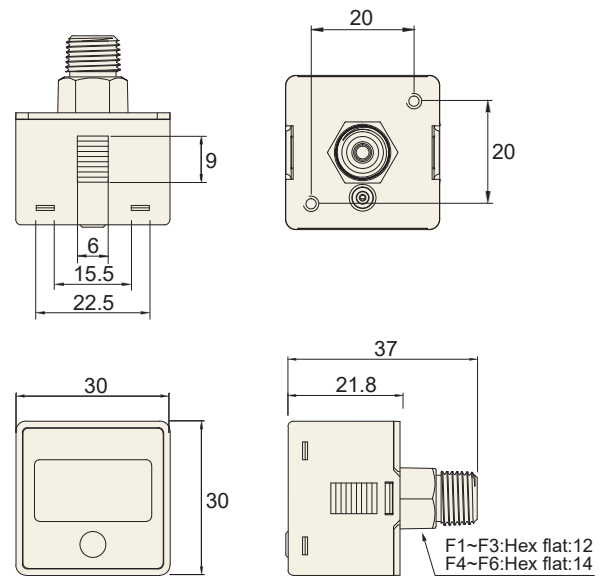
■ Mounting Bracket : BT-5 / BT-6 ■ Panel Adapter : PA-C ■ Panel adapter + Front protective lid : PA-D



Panel Description

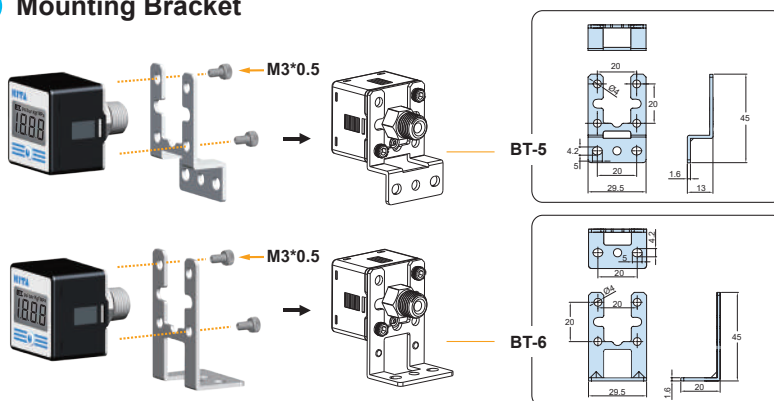


Dimensions

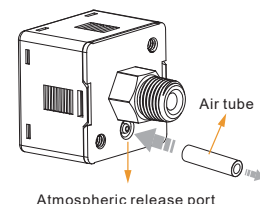


Optional Parts Dimensions

1 Mounting Bracket



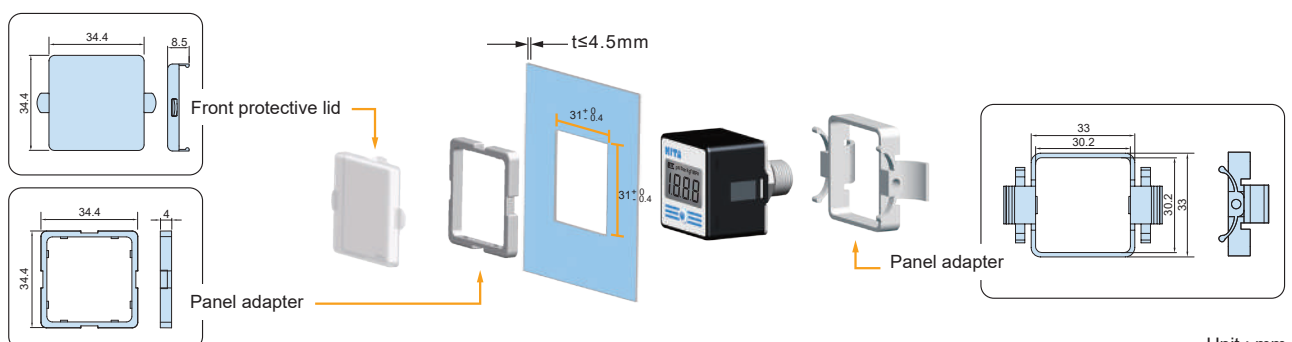
3 IP65 Protector



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