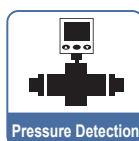


KP61 SERIES Pressure Gauge

Features

- Digital pressure gauge
- Setting pressure range :
Vacuum pressure (10 ~ -101 kPa)
Positive pressure (-0.100 ~ 1.000 MPa)
- Selectable pressure unit :
kPa, MPa, kgf / cm², bar, psi
- IP65 enclosure



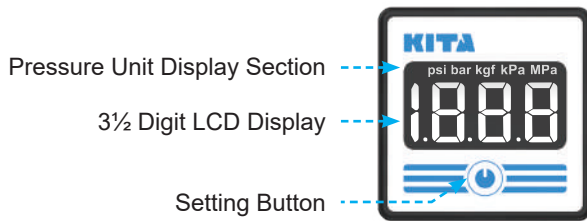
Specifications

MODEL		KP61V	KP61P
		Vacuum Pressure	Positive Pressure
1.000 MPa			
0			
-101 kPa			
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 / cm ²	0.01	0.01
	bar	0.01	0.01
	psi	0.1	0.1
Power Supply Voltage		12 ~ 28 V DC ± 10 %, Ripple (P-P) ≤ 10 %	
Current Consumption		10 mA	
Sampling Rate		2 Hz (2 times / sec.)	
Repeatability		± 1 % F.S. ± 1 digit	± 0.2 % F.S. ± 1 digit
Display		3 ½ digital, 7 segment LCD display (White)	
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)	
	Withstand Voltage	1000 V AC in 1-min (between case and lead wire)	
	Insulation Resistance	≥ 50 MΩ (at 500 V DC, between case and lead wire)	
	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/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", #10-32 UNF ; F3 : G1/8" (BSPP), M5	
Lead Wire		Ø2.8 Oil-resistance cable (PVC) - 26 AWG (0.15 mm ²) - 2 cores	
Weight		Approx. 60 g (with 2 meter lead wire) ; Approx. 40 g (with M8 4Pin male connector)	

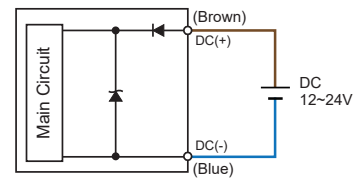
NOTE

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

Panel Description



Circuit Wiring Diagram



※ Pressure display only, no switch output function.

Ordering Information

K P 6 1 P - F 1 -

Pressure Range

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

Cable Length / Connector

Blank : With 2 meter cable
QD : With M8 4Pin male connector

Optional Parts

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

Pressure Port

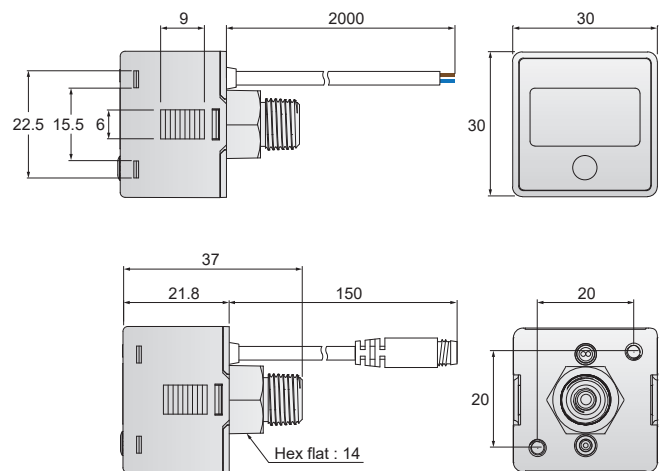
F1 : R1/8", M5
F2 : NPT1/8", #10-32 UNF
F3 : G1/8" (BSPP), M5

Optional Parts

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

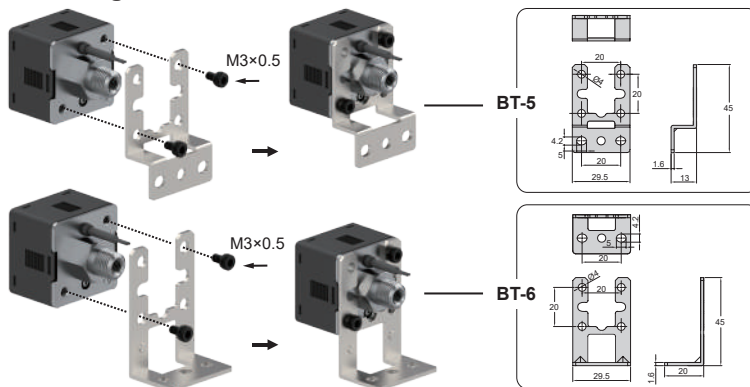


Dimensions

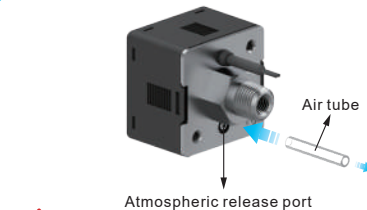


Optional Parts Dimensions

1 Mounting Bracket



3 IP65 Protector



Caution :

1. 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.
2. 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

