KP62 Series | Digital Pressure Gauge

KITA

CE UKCA

For your safety, please read the following before using.

① Do not use corrosive fluid SUS 304, please confirm the specifications in detailed.

② Please use within the rating pressure range. Do not apply pressure beyond recommended maximum withstand pressure, permanent damage to the pressure sensor may occur.

③ Do not drop, hit or allow excessive shock. Even if pressure gage body appears undamaged, internal components may be broken and can cause malfunction.

④ This product is not explosion-proof rated. Do not use in atmosphere containing flammable or explosive gases.

⑤ When piping, suggest to use filters to increase product service life.

⑥ The product is complied CE certificate, but no surge absorber. If required, please find other way to solve.

⑦ Sensors at end-of-life must be disposed of in accordance with E-Waste regulations of the country/region, NOT disposed of with regular garbage.

A SPECIFICATIONS

MODEL		KP62C	KP62H02	KP62H06	KP62H10	KP62H25	KP62H40
		Compound Pressure	High Pressure				
Rated pressure range		-100 ~ 100 kPa	-0.1 ~ 2.5 MPa	0 ~ 6 MPa	0 ~ 10 MPa	0 ~ 25 MPa	0 ~ 40 MPa
Withstand pressure		500 kPa	3 MPa	7.2 MPa	12 MPa	30 MPa	48 MPa
Fluid		Fluid or air that will not corrode SUS 304 and fluororubber (FKM)					
Set pressure resolution	kPa	0.1	1	1	–	–	–
	MPa	–	0.001	0.001	0.01	0.01	0.01
	PSI	0.01	0.1	0.1	1	1	1
	kgf/cm^2	0.001	0.01	0.01	0.1	0.1	0.1
	Bar	0.001	0.01	0.01	0.1	0.1	0.1
	mBar	1	–	–	–	–	–
	mH$_2$O	0.01	0.1	0.1	1	1	1
	inH$_2$O	0.1	–	–	–	–	–
	inHg	0.01	0.1	1	1	1	–
	Torr	0.1	–	–	–	–	–
	mmHg	0.1	–	–	–	–	–
Battery		2 x 1.5V AAA (no batteries included)					
Back light		Yes					
Low-power indicator		Yes					
Peak record		Yes					
Sampling rate		3 times/sec.					
Display		4 digital, 7 segment LCD display (Black)					
Indicator accuracy		± 0.5 % F.S.					
Environment	Enclosure	IP54 (*1)					
	Working fluid temp.	-10 ~ 70℃					
	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/s^2 (10 G) , 3 times each in direction of X, Y and Z					
Port size		F1 : R1/4" ; F3 : G1/4"					
Weight		Approx. 350 g					

*1. Removing protective lid is IP50 enclosure.

B ORDERING INFORMATION

K P 6 2 **C** - **F 1** - Y

Pressure Range ──────────── **Port Size**

C : Compound Pressure (-100 ~ 100kPa)   H10 : High Pressure (0 ~ 10MPa)   F1 : R1/4"
H02 : High Pressure (-0.1 ~ 2.5MPa)   H25 : High Pressure (0 ~ 25MPa)   F3 : G1/4"(BSPP)
H06 : High Pressure (0 ~ 6MPa)   H40 : High Pressure (0 ~ 40MPa)

C   DIMENSIONS

46

80

120

Unit:mm
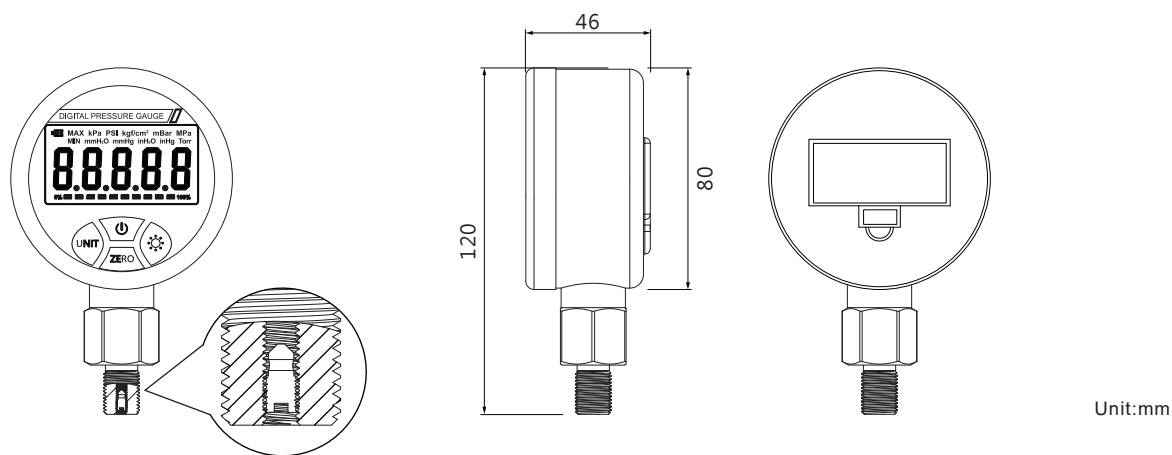
Pressure port equipped with snubber can avoid damage caused by sudden pressure surge of water or oil, improve product durability.

※ When snubber is clogged with contaminants, please use a flat head screwdriver to remove the snubber, clean and reinstall.

D   PANEL DESCRIPTION

Battery Meter

Pressure Unit Display Section

Pressure Display

Pressure Percentage Display
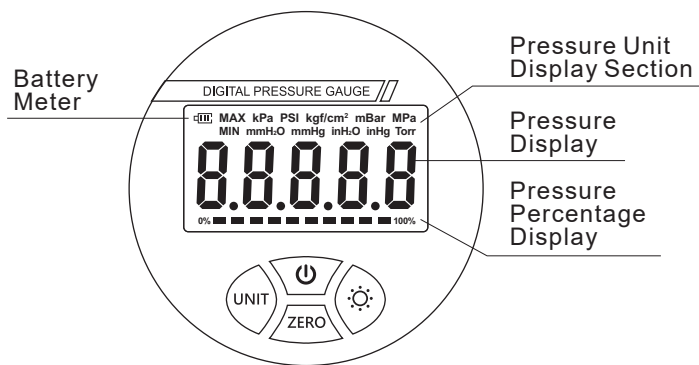
Button	Description
POWER ⏻	Press briefly to power ON and long press to power OFF.
UNIT	Press briefly to select pressure unit.
ZERO	Long press UNIT for 5 seconds , then long press ZERO for 5 seconds to clear records.
LIGHT ☼	Press briefly to turn ON/OFF the back light. Long press to keep the back light permanently ON.

E   PEAK-DISPLAY FUNCTION

KP62 will save the peak/bottom values automatically during operating.
Long press ⎡UNIT⎤ for 5 seconds to display peak value.
Then press briefly ⎡UNIT⎤ to display bottom value.
Press briefly again to exit the function.

F   PEAK-CLEAR FUNCTION

Long press ⎡ZERO⎤ for 5 seconds under PEAK-DISPLAY FUNCTION to clear records and start a new period to record.

G   ERROR CODE INSTRUCTION

Code	Description
E - E	Sensor is damaged.
E - H	Supply pressure exceeds the withstand pressure or sensor is damaged.
Display flashes	Supply pressure exceeds the rated pressure range.