

ELECTRICAL CONTACT PRESSURE GAUGE WITH STEEL CASE MODEL : P531, P532, P533, P534, P537, P539 SERIES

WISE®

SERVICE INTENDED

P530 Series is designed for local reading of measured pressure and is equipped with an electrical contact block that allows all combinations of contacts to be used. The contact block is mounted on the dial. The window is fitted with a knob for external adjustment of the set points.

NOMINAL DIAMETER

100 and 150mm

ACCURACY

±1.5% of Full Scale

SCALE RANGE (MPa, kPa, bar)

-0.1 ~ 0 to -0.1 ~ 2MPa

0 ~ 0.1 to 0 ~ 100MPa

WORKING PRESSURE

Steady : 75% of Full Scale

Over Range Protection : 130% of Full Scale

WORKING TEMPERATURE

Ambient : -20 ~ 65°C

Fluid : -20 ~ 80°C



Standard Features

PRESSURE CONNECTION

Brass, Stainless Steel (316SS)

ELEMENT

C Type Bourdon Tube

Stainless Steel (316SS)

CASE

Black Finished Aluminium.

COVER

Black Finished Aluminium.

Screwed

WINDOW

Acrylic Resin

MOVEMENT

Brass

DIAL

White Aluminium with Black Graduations

POINTER

BsT₃ Alloy, Black Painted Pointer with Golden Plated

CONTACTS

Contact Rating : AC110V, 0.5A/AC 220V 0.25A

DC110V, 0.3A/DC 220V 0.15A

Dielectric Strength : AC 1000V/min

Insulation Resistance : More than 100Mohm at DC 500V

PROCESS CONNECTION

3/8", 1/2" PT, NPT & PF

ORDERING INFORMATION

- BASE MODEL**
P531 : HIGH ALARM CONTACT TYPE PRESSURE GAUGE
P532 : HIGH AND LOW ALARM CONTACT TYPE PRESSURE GAUGE
P533 : LOW ALARM CONTACT TYPE PRESSURE GAUGE
P534 : HIGH AND H/HIGH ALARM CONTACT TYPE PRESSURE GAUGE
P537 : LOW AND L/LOW ALARM CONTACT TYPE PRESSURE GAUGE
P539 : MULTI-PURPOSE CONTACT TYPE PRESSURE GAUGE FOR TRANSFORMER (Only 100mm)

NOMINAL DIAMETER

- 4 : 100mm
6 : 150mm, Not available with Model P539 Series

MOUNTING TYPE (Refer to Mounting type & Dimension)

- A : Bottom Connection, Direct
B : Bottom Connection, Surface, Case Mounting Plate. Not available with Diameter 150mm
G : Lower Back Connection, Direct, Not Available with diameter 100mm. Only available with Model P539
L : Lower Back Connection, Flush, Case Center Mounting Plate, Not available with Diameter 150mm
M : Lower Back Connection, Flush, Cover Center Mounting Bracket, Only available with Diameter 150mm

ACCURACY

- 4 : $\pm 1.5\%$ of Full Scale

PROCESS CONNECTION

- D : 3/8"
E : Lower Back Mounting Type (G, L, M)

CONNECTION TYPE

- C : PT
D : NPT
B : PF
Z : Other

UNIT

- I : MPa
J : kPa
H : bar

RANGE

Refer to Pressure Range Table

**PRESSURE CONNECTION
MAT'L AND DIALS COLOR**

- 1 : Brass & 2 Colors
3 : 316SS & 2 Colors
5 : Brass & 3 Colors, Available with Compound and Vacuum Gauge
Z : 316SS & 3Colors, Available with Compound and Vacuum Gauge

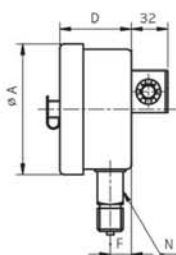
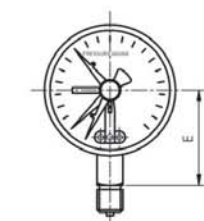
OPTIONS

- 0 : None
1 : Accessories

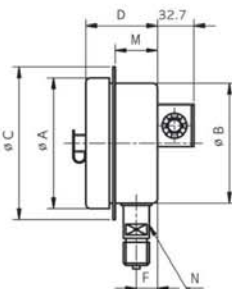
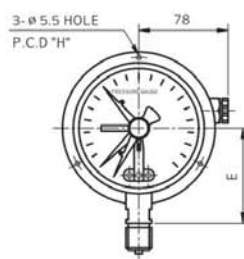
P531	4	A	4	D	C	I	041	1	0	SAMPLE MODEL NUMBER
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P530 SERIES : TYPE OF MOUNTING

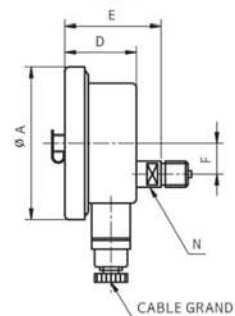
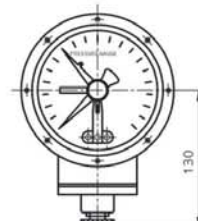
CODE A



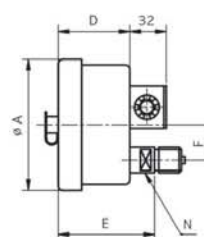
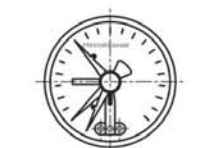
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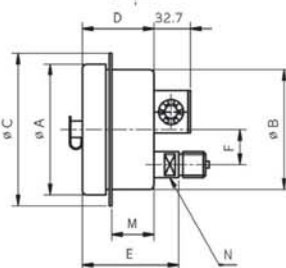
CODE G



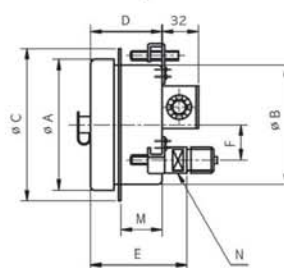
CODE G*



CODE L



CODE M



Dimensions (mm)

DIAL SIZE	AVAILABLE CODE	A	B	C	D	E	F	H	M	N
100	P531 P533	A			78.5	74	15			14
		B	110	107	136	78.5	74	15	120	58.5
		L	110	107	136	78.5	97.3	36	120	58.5
	P532 P534	A	110			78.5	74	15		14
		B	110	107	136	78.5	74	15	120	58.5
		L	110	107	136	78.5	97.3	36	120	58.5
	P537	A	110			78.5	74	15		14
		B	110	107	136	78.5	74	15	120	58.5
		L	110	107	136	78.5	97.3	36	120	58.5
	P539	G	134			68	86	36		14
		G	134			68	86	36		14
150	P531 P533	A	172			68.5	107	18.2		22
		G*	172			68.5	86.3	45		17
		M	172	159	192	69	86.8	45	60	17
	P532 P534	A	172			68.5	107	18.2		22
		G*	172			68.5	86.3	45		17
		M	172	159	192	69	86.8	45	60	17
	P537	A	172			68.5	107	18.2		22
		G*	172			68.5	86.3	45		17
		M	172	159	192	69	86.8	45	60	17

PRESSURE UNIT & RANGE TABLE

RANGE & CODE	UNIT & CODE			P531, P532, P533, P534, P537		P539
	H : bar	J : kPa	I : MPa	100mm	150mm	100mm
026	-1~0	-100~0	-0,1~0	○	○	○
040	0~0,5	0~50	0,05	○	X	○
041	0~1	0~100	0,1	○	○	○
042	0~2	0~200	0,2	○	○	○
043	0~3	0~300	0,3	○	○	○
044	0~4	0~400	0,4	○	○	○
045	0~6	0~600	0,6	○	○	○
047	0~10	0~1000	1	○	○	○
050	0~15	X	0~1,5	○	○	○
051	0~20	X	0~2	○	○	○
052	0~25	X	0~2,5	○	○	○
054	0~35	X	0~3,5	○	○	○
055	0~50	X	0~5	○	○	○
057	0~70	X	0~7	○	○	○
058	0~100	X	0~10	○	○	○
059	0~150	X	0~15	○	○	○
062	0~250	X	0~25	○	○	○
064	0~350	X	0~35	○	○	○
066	0~500	X	0~50	○	○	○
068	0~700	X	0~70	○	○	○
070	0~1000	X	0~100	○	○	○
027	-1~1	-100~100	-0,1~0,1	○	○	○
028	-1~2	-100~200	-0,1~0,2	○	○	○
029	-1~3	-100~300	-0,1~0,3	○	○	○
030	-1~4	-100~400	-0,1~0,4	○	○	○
031	-1~6	-100~600	-0,1~0,6	○	○	○
032	-1~10	-100~1000	-0,1~1	○	○	○
033	-1~15	X	-0,1~1,5	○	○	○
034	-1~20	X	-0,1~2	○	○	○

○ : AVAILABLE × : NOT AVAILABLE