

Indicating type pressure switch

Model: P535, P536 series

Spec. sheet no. PD05-06

Service intended

P535 and P536 series are micro contact type switches, and suitable for a corrosive fluid and a high pressure measurement. Deadband is fixed.



Nominal diameter

100 and 150 mm

Accuracy

Indicator : $\pm 1.0\%$ of full scale

Alarm setting : $\pm 3.0\%$ of full scale

Repeatability

$\pm 1.0\%$ of adjustable range

Adjustable range (MPa, kPa, bar)

-0.1 ~ 0 to -0.1 ~ 2 MPa

0 ~ 0.1 to 0 ~ 35 MPa

Working temperature

Ambient : -20 ~ 65°C

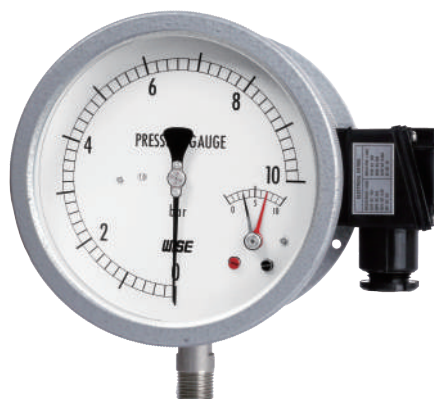
Fluid : Max. 100°C

Degree of protection

EN60529/IEC529/IP65

Temperature effect

Accuracy at temperature above and below the reference temperature (20°C) will be effected by approximately $\pm 0.4\%$ per 10°C of full scale



Standard features

Pressure connection

Stainless steel (316SS)

Conduit connection

150 mm : $\frac{3}{4}$ " PF

100 mm : M20 x 1.5

Element

C type bourdon tube

Stainless steel (316SS)

Contact

Micro contact type

One SPDT or two SPDT

One DPDT

Case and cover

ALDC 12.1, silver gray painted for 150 mm

ALDC 12.1, black painted for 100 mm

Contact rating

150 mm - AC 125 V/250 V, 15 A and DC 30 V, 2 A

DC 125 V, 0.5 A for resistance load

-AC 125 V/250 V, 15 A and DC 30 V, 1 A

DC 125 V, 0.05 A for inductive load

100 mm - AC 250 V, 3 A / AC 125 V, 5 A

DC 250 V, 0.2 A / DC 125 V, 0.4 A

DC 30 V, 4 A

Dielectric strength : AC 500 V/min

Process connection

$\frac{3}{8}$ ", $\frac{1}{2}$ " PT, NPT and PF

WISE®

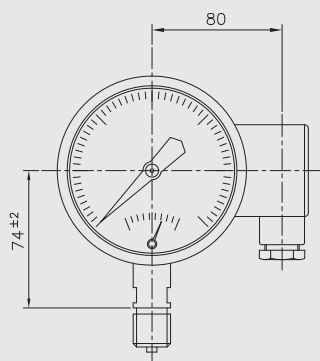
1. Base model**P535** Indicating type pressure switch (Single setpoint)**P536** Indicating type pressure switch (Dual setpoint)**2. Nominal diameter (mm)****4** 100**6** 150**3. Type of mounting****A** Bottom connection, direct, only available with diameter 100 mm**B** Bottom connection, surface, case mounting plate**L** Lower back connection, flush, case center mounting plate, only available with diameter 100 mm**4. Accuracy****3** ±1.0% of full scale**5. Process connection****D** 3/8"**E** 1/2"**6. Connection type****B** PF**C** PT**D** NPT**7. Unit****H** bar**I** MPa**J** kPa**8. Range****XXX** Refer to pressure unit and range table**9. Pressure connection material and dial color****3** 316SS and 2 colors**7** 316SS and 3 colors**10. Option****0** None**1** Accessories

1	2	3	4	5	6	7	8	9	10
P535	6	B	3	D	D	H	XXX	3	0

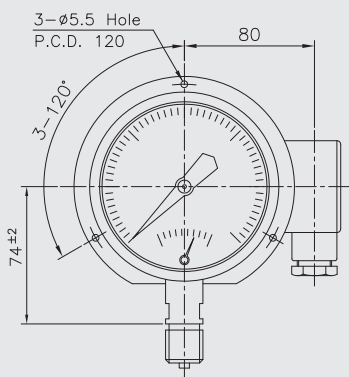
Sample
ordering code

P535, P536 : Type of mounting

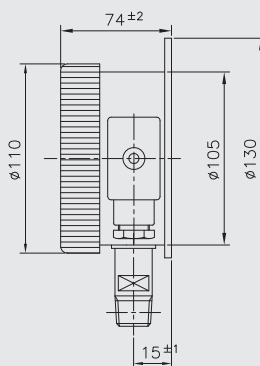
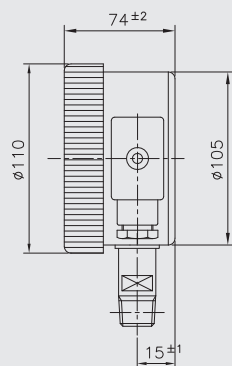
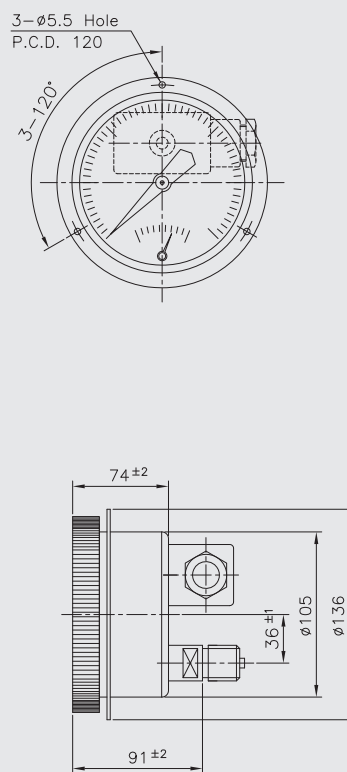
Code A (Ø100)



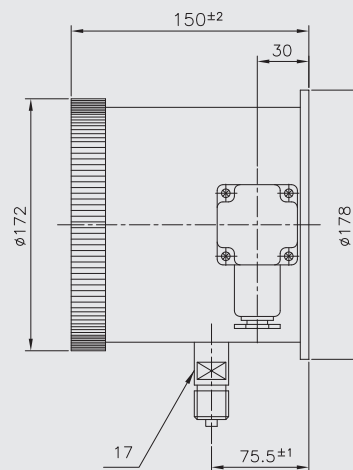
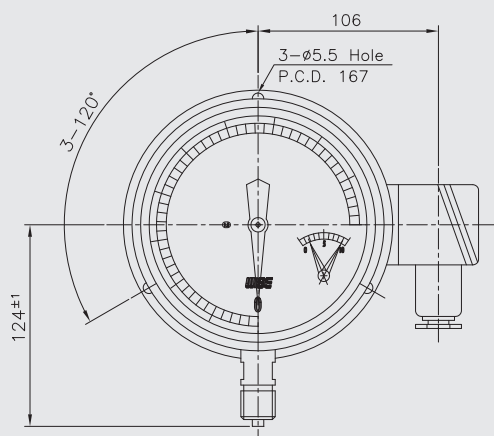
Code B (Ø100)



Code L (Ø100)



Code B* (Ø150)



Pressure unit and range table

Range and code	Unit and code			P535	P536
	H : bar	I : MPa	J : kPa		
026	-1 ~ 0	-0.1 ~ 0	-100 ~ 0	O	O
041	0 ~ 1	0 ~ 0.1	0 ~ 100	O	O
042	0 ~ 2	0 ~ 0.2	0 ~ 200	O	O
043	0 ~ 3	0 ~ 0.3	0 ~ 300	O	O
044	0 ~ 4	0 ~ 0.4	0 ~ 400	O	O
045	0 ~ 6	0 ~ 0.6	0 ~ 600	O	O
047	0 ~ 10	0 ~ 1	0 ~ 1,000	O	O
050	0 ~ 15	0 ~ 1.5	X	O	O
143	0 ~ 16	0 ~ 1.6	X	O	O
051	0 ~ 20	0 ~ 2	X	O	O
052	0 ~ 25	0 ~ 2.5	X	O	O
054	0 ~ 35	0 ~ 3.5	X	O	O
151	0 ~ 40	0 ~ 4	X	O	O
055	0 ~ 50	0 ~ 5	X	O	O
056	0 ~ 60	0 ~ 6	X	O	O
057	0 ~ 70	0 ~ 7	X	O	O
058	0 ~ 100	0 ~ 10	X	O	O
059	0 ~ 150	0 ~ 15	X	O	O
060	0 ~ 160	0 ~ 16	X	O	O
062	0 ~ 250	0 ~ 25	X	O	O
064	0 ~ 350	0 ~ 35	X	O	O
065	0 ~ 400	0 ~ 40	X	O	O
027	-1 ~ 1	-0.1 ~ 0.1	-100 ~ 100	O	O
028	-1 ~ 2	-0.1 ~ 0.2	-100 ~ 200	O	O
029	-1 ~ 3	-0.1 ~ 0.3	-100 ~ 300	O	O
030	-1 ~ 4	-0.1 ~ 0.4	-100 ~ 400	O	O
031	-1 ~ 6	-0.1 ~ 0.6	-100 ~ 600	O	O
032	-1 ~ 10	-0.1 ~ 1	-100 ~ 1,000	O	O
033	-1 ~ 15	-0.1 ~ 1.5	-100 ~ 1.5 MPa	O	O
034	-1 ~ 20	-0.1 ~ 2	-100 ~ 2 MPa	O	O
035	-1 ~ 25	-0.1 ~ 2.5	-100 ~ 2.5 MPa	O	O

O : Available X : Not available