

PRESSURE RECORDER MODEL : P920 SERIES

WISE[®]

SERVICE INTENDED

P920 Series Pressure Recorder provides a single pen 10 inch circular chart recorder for measurement and recording. Suitable for hazardous environment such as gas or chemical process.

ACCURACY

±2.0% of Full Scale

NOMINAL DIAMETER

250mm

PRESSURE RANGE (MPa, bar)

Vacuum : -0.1 ~0MPa

Pressure : 0 ~0.1 to 0 ~ 100MPa

WORKING PRESSURE

Steady : 75% of Full Scale

Over Range Protection : 130% of Full Scale



Standard Features

PRESSURE CONNECTION

Stainless Steel (316SS)

ELEMENT

Stainless Steel (316SS)

CASE & COVER

AC7A, Hinged door

WINDOW

Glass

MOVEMENT

Brass

CHART DRIVE

Spring Wound type

24 or 168(7Day) Hours Rotation.

CHART PAPER

10 inches circular, 30 charts supplied with each instrument.

MOUNTING

Surface mounting

CONNECTION

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

ORDERING INFORMATION

BASE MODEL

P920 : PRESSURE RECORDER

DIAL SIZE

8 : 250mm

MOUNTING TYPE

B : Bottom Connection, Surface Mounting Plate

ACCURACY

5 : $\pm 2.0\%$ of Full Scale

CONNECTION

D : 3/8"

E : 1/2"

CONNECTION TYPE

B : PF

C : PT

D : NPT

UNIT

H : bar

I : MPa

RANGE

026 : -0.1 ~0MPa	041 : 0~0.1MPa
042 : 0~0.2MPa	043 : 0~0.3MPa
044 : 0~0.4MPa	045 : 0~0.6MPa
047 : 0~1MPa	050 : 0~1.5MPa
051 : 0~2MPa	052 : 0~2.5MPa
054 : 0~3.5MPa	055 : 0~5MPa
057 : 0~7MPa	058 : 0~10MPa
059 : 0~15MPa	062 : 0~25MPa
064 : 0~35MPa	066 : 0~50MPa
<u>068</u> : 0~70MPa	070 : 0~100MPa

PRESSURE CONNECTION
MAT'L

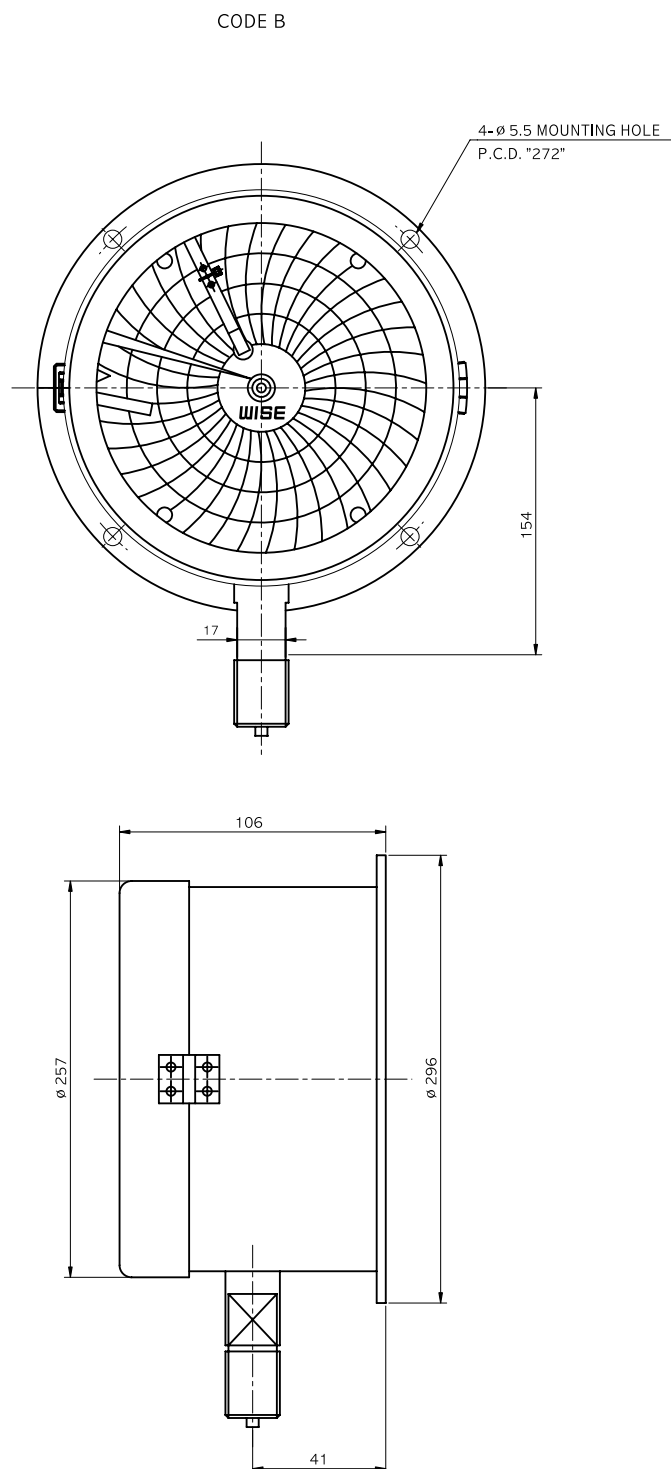
3 : 316SS

OPTIONS

0 : None

1 : Accessories

P920	8	B	5	D	C	I	042	3	0	SAMPLE MODEL NUMBER
------	---	---	---	---	---	---	-----	---	---	---------------------------

P920 : TYPE OF MOUNTING

CONVERSION TABLE

PRESSURE CONVERSION CHART								
PSI	ATM	kg/cm²	in.H ₂ O	mmHg	in.Hg	kPa	Bar	mmH ₂ O
1	0.068046	0.070307	27.7276	51.715	2.03602	6.895	0.06895	704.28104
14.696	1	1.0332	407.484	760	29.921	101.325	1.01325	10350.0936
14.2233	0.96784	1	394.38	735.559	28.959	98.096	0.98067	10000
0.036092	0.002454	0.00253	1	1.8651	0.07343	0.249	0.00249	25.4
0.019336	0.001315	0.001359	0.53616	1	0.03937	0.1333	0.001333	13.618464
0.491154	0.0033421	0.03453	13.6185	25.4	1	3.3864	0.033864	345.9099
0.145	0.00987	0.010197	4.0186	7.5006	0.2953	1	0.01	102.07244
14.5038	0.98692	1.01972	402.156	750.062	29.53	100	1	10214.7624
0.00142	0.000097	0.0001	0.03937	0.0734	0.0029	0.0098	0.000098	1

VOLUME CONVERSION CHART							
GALLON (U.S)	CUBIC FEET	CUBIC INCHES	BARRELS (OIL)	CUBIC CM	CUBIC METER	LITER	IMP. GALLON
1	0.1337	231	0.02381	3785	0.003785	3.785	0.8327
7.481	1	1728	0.1781	28320	0.02832	28.32	6.229
0.004329	0.000578	1	0.000103	16.39	0.000016	0.01639	0.003605
42	5.615	9702	1	159000	0.159	158.94	34.97
0.000264	0.000035	0.06102	0.000006	1	0.000001	0.001	0.00022
264.17	35.3144	61023	6.2906	1000000	1	1000	220.1
0.264	0.0353	61.03	0.0629	1000	0.001	1	0.22
1.201	0.1606	277.4	0.0286	4546	0.004546	4.546	1

MASS CONVERSION CHART							
lb.	oz.	kg	gm	gal H ₂ O (32F)	long ton	metric tonne	ton
1	16	0.4536	453.6	0.1198	0.000446	0.000453	0.0005
0.0625	1	0.02835	28.35	0.00749	0.000027	0.000028	0.000031
2.205	35.27	1	1000	0.2642	0.009839	0.001	0.001102
0.002205	0.03527	0.001	1	0.000264	0.000000	0.000001	0.000001
8.345	133.5	3.785	3785	1	0.003726	0.003786	0.004171
2240	35840	1016.4	1016363	268.352	1	1.016	1.12
2204.6	35273	1000	1000000	264.11	0.9842	1	1.1023
2000	32000	907.03	909090.9	239.7	0.892857	0.907194	1

DENSITY CONVERSION CHART			
lb/ft³	gm/cm³	kg/m³	lb/in³
1	0.016018	16.0184	0.000578
62.43	1	1000	0.03613
0.06243	0.001	1	0.000036
1728	27.68	27679.8	1