

The PTF30 pressure transmitter using high performance A/D converter and microprocessor has sensor adjustment function. Its pressure sensor minimizes the effect of temperature changes in fields. The series with explosion proof structure enables to measure within the range of 0.0~350kgf/cm². Also its transmitter has explosion proof structure.

Features

- 4~20mA transmission output by 2-wire
- Power supply 4~20mA, 2-wire type
- Displaying the result value by using the various sub-function such as scaling, sensor adjustment, setting filters.
- Explosion proof structure

CE



Specifications

Model	PTF30 Series
Power supply	15~35VDC
Display	12 Segment, LCD display (Graphic bar)
Character Size	W:6.24mm X H:10.73mm(12 Segment) W:1.45mm X H:2.54mm(Unit)
Output	DC4~20mA(2-wire) Min limit : 3.6mA, Max limit : 21.6mA
Indicating accuracy	SPAN<10% of URL : (±0.05 + 0.01 · URL/SPAN)% of SPAN SPAN≥10% of URL : ±0.2% of SPAN
Ambient temperature effects	±(0.075% X URL + 0.15% X SPAN) ····20°C
Setting method	Set by key
Input sampling cycle	300ms
Function	Peak-hold, Digital input(Front key), Two unit function User compensation, Display scale, Input scale Digital filter, Lock.
Internal voltage	1000VAC 50/60Hz during a minute
Internal vibration	0.75mm Amplitude at frequency of 5~55Hz in each of directions of 2hours
Isolation Resistance	Over 100MΩ (500VDC Mega STD)
Internal noise	±240V the square wave noise(pulse width : 1μs) by the noise simulator simulator
Memory retention	About 10 years(when using non-volatile memory semiconductor)
Using ambient temperature	-20~70°C(at non-freezing status)
Storage temperature	-20~80°C(at non-freezing status)
Using ambient humidity	0~85% RH
Case materials	Main body : Aluminum(A1Dc.8S), Cover O-Ring : Buna N
Weight	Approx.1.2kg
EX-Protection	Ex d IIC T6

※ SPAN : User Range

※ URL : Upper Range Limit

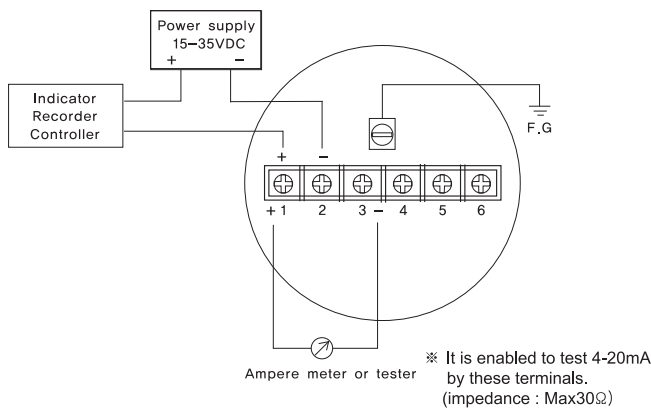
Ordering Codes

PTF30 - G 6 N N - F8 (0 ~ 7 kgf/cm²)

Process Connection	()	User Range
	F8	PF3/8"(Standard)
Mounting Bracket	N	None
	B	With Bracket
HART Communication	N	None
Range	1	* 0.000~0.350kgf/cm ²
	2	* 0.000~1.000kgf/cm ²
	3	* 0.000~2.000kgf/cm ²
	4	* 0.000~7.000kgf/cm ²
	5	* 0.00~20.00kgf/cm ²
	6	* 0.00~35.00kgf/cm ²
	7	0.00~70.00kgf/cm ²
	8	0.0~200.0kgf/cm ²
	9	0.0~350.0kgf/cm ²
	A	-257mmHg~0.00kgf/cm ²
	C	-760mmHg~0.00kgf/cm ²
	F	-760mmHg~2.00kgf/cm ²
	H	-760mmHg~7.00kgf/cm ²
	M	-760mmHg~20.00kgf/cm ²
	O	-760mmHg~35.00kgf/cm ²
Pressure Type	G	Gauge Pressure
	A	Absolute Pressure
Item/Series	PTF30	High-Reliability Pressure Transmitter

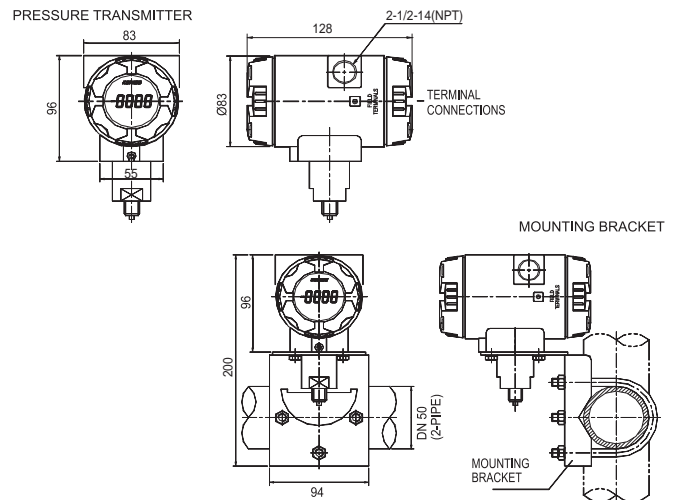
“*” mark is possible for absolute pressure

Connections



Dimensions

(Unit : mm)



A	Recorders
B	Indicators
C	Converters
D	Controllers
E	Thyristor Units
F	Pressure Transmitters
G	Temperature Transmitters
H	Temp. Sensors
I	Thermo Meters
J	Pressure Gauges
K	Accessories

TPS20

IDP

IGP-10 / IAP-10

KT-302H

PTF30