

**APPLICATION**

- General industrial application.
- Mechanical engineering.
- Process engineering.
- Rough environment.
- Oil and gas.

**FEATURES**

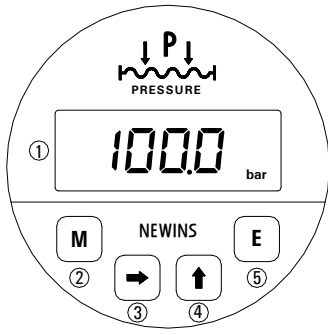
- Pressure range from 0.0~0.1 to 0.0~500.0bar
- Compact size and robust construction
- Range ability in the ratio of 5:1
- Built-in multiple function
- Zero trim function.
- 4 Digit LCD for parameter alteration and PV output on the spot
- **IP-67**



**SPECIFICATIONS**

- ▶ **Pressure Range :**  
0.0~0.1 bar to 0~500bar
- ▶ **Overpressure :**  
300% F.S 1bar  
200% F.S < 250bar  
150% F.S > 250bar
- ▶ **Accuracy : ±0.25 FS (Typical)**
- ▶ **Compensate temp :**  
-10~70℃ (Typical)  
0~60℃ (0.1bar ~0.3bar)
- ▶ **Operating condition**  
: Operating temp : -20~60℃ (sensor : -40~120℃)  
: Storage temp : -20~70℃ (sensor : -40~120℃)
- ▶ **Zero temp coefficient**  
0.02% F.S/℃ ≥0.1 bar  
0.03% F.S/℃ < 0.1 bar
- ▶ **Span temp coefficient : /℃**  
0.02% F.S/℃ ≥0.1 bar  
0.03% F.S/℃ < 0.1 bar
- ▶ **Long term stability : ≤0.2% F.S S / year**
- ▶ **Vibration : 20g (20~5000Hz)**
- ▶ **Oil filling :**  
Silicon oil (Typical)  
Olive oil available for sanitary application
- ▶ **Ring material :** NBR Viton
- ▶ **Sensor housing material :** stainless steel 316L (housing and diaphragm)
- ▶ **Measuring and display interval :** 500m/s
- ▶ **Moving average filter :** Selectable (none, 4, 8,16)
- ▶ **Output :**  
2-wire DC 4.00~20.00mA  
Low limit : 3.80mA  
Upper limit : 20.80mA
- ▶ **Power supply :**  
DC 9~35V  
Load limit : (Vsp-9V)/0/021R(Ω)
- ▶ **Material (body, cover) :** Aluminum (ALDC.8S)
- ▶ **Degree of protection :** IP-67
- ▶ **Electronic wire condition :** PF1/2"
- ▶ **Weight :** 290g
- ▶ **CE conformity**  
Pressure equipment directive : **2006 / 95 / EC**  
EMC Directive : **2004 / 108 / EC EN61326-1**  
emission (group1, classB) and immunity (industrial locations)

PARTS NAME

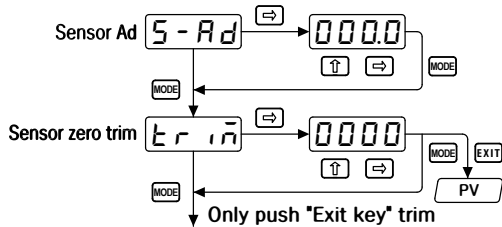


- ① Measured value display
- ② **MODE** : Storage the set data and change the operation menu
- ③ **⇨** : Enter into the data setting mode and modify the changed location
- ④ **↑** : Change the data value
- ⑤ **EXIT** : Out of mode

MAJOR FUNCTIONS

► Sensor zero trim

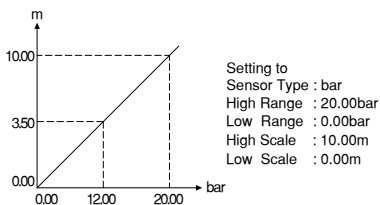
It is used to change zero point be careful of trim in the normal case. It causes real pressure value to be change.



► Display scaling function

This function changes and sets the display value according to scale and input range.

Ex) In case of input range 0.00~20.00bar and Level 0.00~10.00m

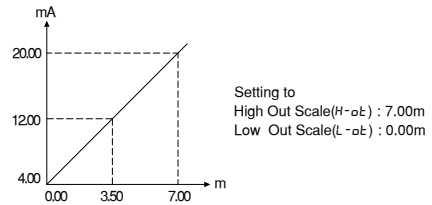


► Output scaling function

(Range 0.00~10.00bar, Scale 0.00~7.00m)

This function can change the 4.00~20.00mA value as the output scale.(H-OT)

Ex) In case of display value 0.00~7.00m, Output 4.00~20.00mA



► Sensor compensation function

The function is useful for compensating error by long sensor line or changed zero point by aged sensor.

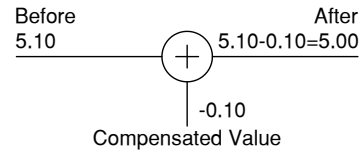
Ex) Before sensor adjust = 5.10bar

After sensor adjust

= measured value + compensated value

= 5.10 - 0.10

= 5.00bar



► Function

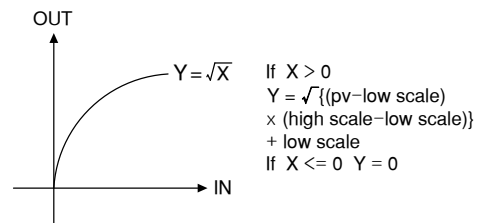
**L in**

Pass the input as it is.

Used for general input type and linearity input.

**S-rt**

Pass the input after  $\sqrt{\quad}$ . Used for flow rate by orifice.



**L in**

Like level measuring, when it does not display measuring under zero, it always can display zero by using limit function.

► **Filter function**

Filter is moving average filter and it has 4 kinds of function.

**nonE**

It displays the change of input without filter.

**Ru 4, 8, 16**

It displays in recent input No 4,8,16 sample average. Setting filter function delays response.

Do not use filter when high speed response is needed. When output and display value are changed by irregular input, it is possible to get regular input and display value by using filter function.

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**ORDERING CODE**

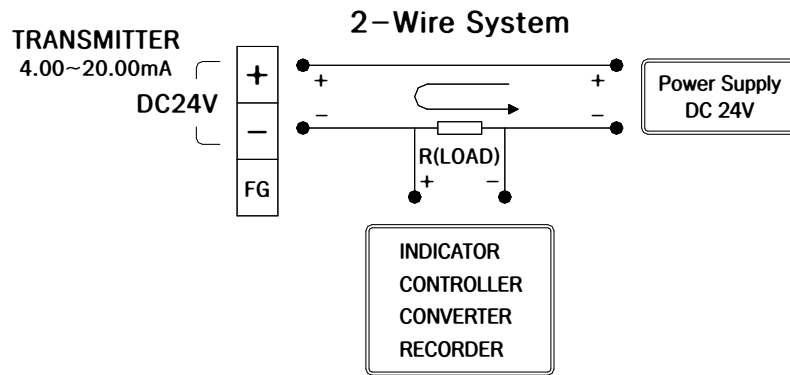
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					Description(Basic)
<b>NT34</b>		<b>P</b>			Digital LCD Indicator
<b>Range</b>	00				0.0 ~ 0.1bar
	01				0.0 ~ 0.2bar
	02				0.0 ~ 0.5bar
	03				0.0 ~ 1.0bar
	04				0.0 ~ 2.0bar
	05				0.0 ~ 5.0bar
	06				0.0 ~ 10.0bar
	07				0.0 ~ 20.0bar
	08				0.0 ~ 50.00bar
	09				0.0 ~ 100.0bar
	10				0.0 ~ 200.0bar
	11				0.0 ~ 300.0bar
	12				0.0 ~ 500.0bar
	13				-760 mmHg ~ 0
	14				-760 mmHg ~ 1.0bar
	15				-760 mmHg ~ 5.0bar
	16				-760 mmHg ~ 10.0bar
<b>Protection</b>		<b>P</b>			IP-67
<b>type</b>			<b>G</b>		Gauge pressure
			<b>S</b>		Sealed gauge pressure
			<b>A</b>		Absolute pressure
<b>Process connection</b>				<b>0</b>	PT1/2" (Standard)
				<b>1</b>	PT1/4"
				<b>2</b>	PF3/8"
				<b>3</b>	Other

※ Note

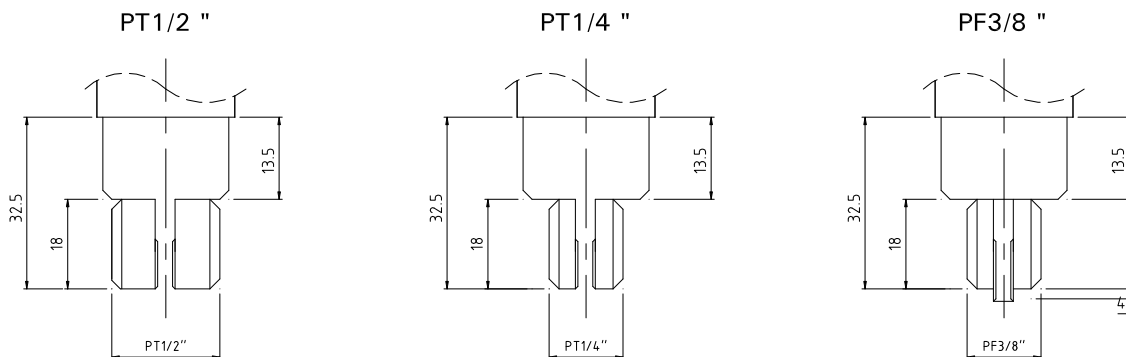
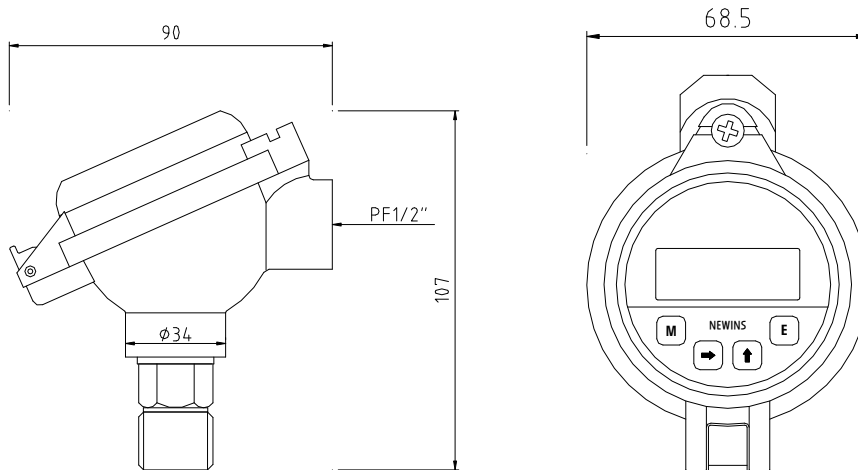
Range ability in the ratio of 5:1

TERMINAL DIAGRAM



DIMENSIONS

※ Electric connection



Unit:mm