

**FEATURES**

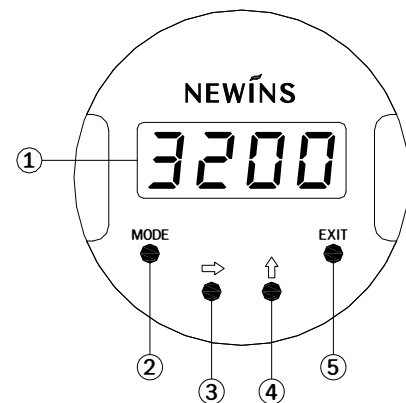
- Range ability in the ratio of **3:1**
- High accuracy 16bit A/D converter
- Selectable moving average filter
- Built-in multiple function
- DC 4.00~20.00mA 2-wire loop power
- Zero trim function
- 4 Digit LCD for parameter alteration and PV output on the spot



**SPECIFICATIONS**

- ▶ Measuring and displaying interval : 200ms
- ▶ CMRR(Common Mode Rejection Ratio) : 140dB or more
- ▶ NMRR(Normal Mode Rejection Ratio) : 60dB or more
- ▶ Moving average filter : Selectable(None 4, 8, 16)
- ▶ Vibration(20..5000Hz) : 20Hz
- ▶ Diaphragm : Stainless Steel SUS316L
- ▶ Oil Filling : Silicon Oil
- ▶ Dead volume change@25℃ : <0.1mm<sup>3</sup>/FS
- ▶ Sensor operating temperature : -30~100℃
- ▶ Accuracy : ±0.25% FS
- ▶ Power : DC 9~35V
- ▶ Overpressure : Max range 150%
- ▶ Output : 2-wire DC 4.00~20.00mA  
load limit(Vsp9V)/0/021=RΩ
- ▶ Case material : ALL SUS 316
- ▶ Process connection : NT 3200 PT1/2",  
NT 3300 NPT1/2"
- ▶ Operating condition  
Operating Temp/Humidity : -10~60℃, 10~90%  
Storage Temp/Humidity : -20~70℃, 5~95%
- ▶ Etc  
Weight : 1kg

**PARTS NAME**

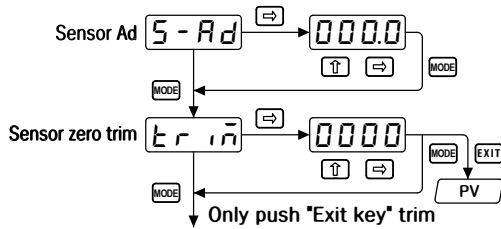


- ① Measured value display
- ② **MODE** Key :  
Storage the set data and change the operation menu
- ③ **→** Key :  
Enter into the data setting mode and modify the changed location
- ④ **↑** Key :  
Change the data value
- ⑤ **EXIT** Key : Out of mode

**MAJOR FUNCTIONS**

► **Sensor zero trim**

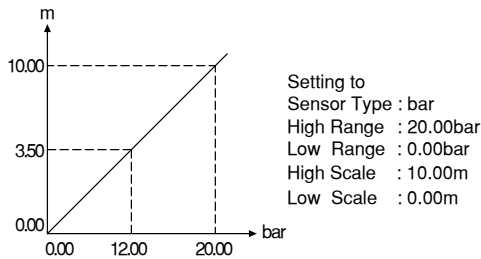
It is used to change zero point be careful of trim in the normal case. It causes real pressure value to be change.



► **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

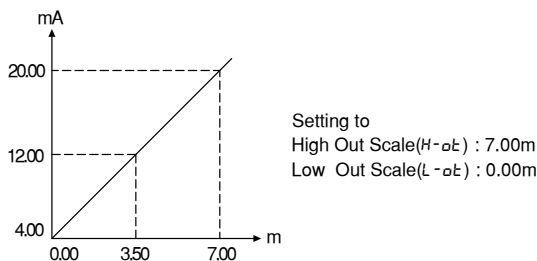


► **Output scaling function**

(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-out)

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



► **Sensor compensation function**

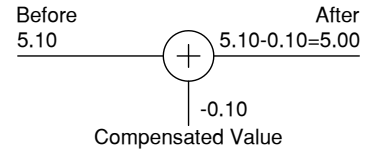
The function is useful for compensating error by long sensor line or changed zero point by aged sensor.

Ex) Before sensor adjust = 5.10bar

After sensor adjust

= measured value + compensated value

= 5.10 - 0.10 = 5.00bar



► **Function**

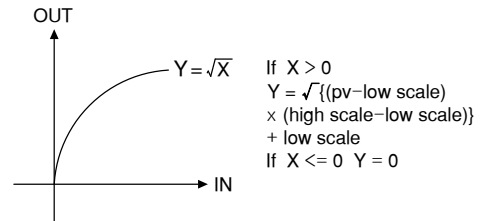
**L in**

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 inE**

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.

**AV 4, 8, 16**

It displays in recent input No 4,8,16 sample average.

Setting filter function delays reponse.

Do not use filter when high speed response is needed.

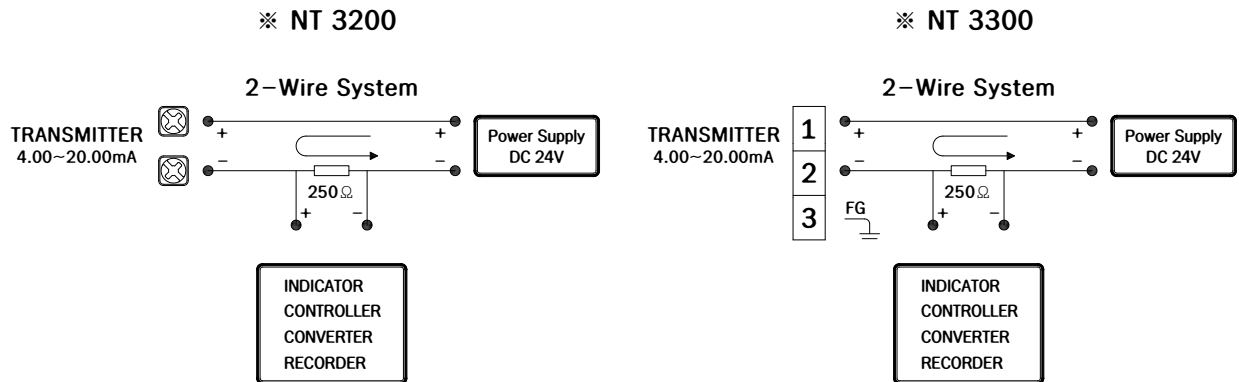
When output and display value are changed by irregular input, it is possible to get regular input and display value by using filter function.

ORDERING CODE

Model	Type	Indicator	Range span	Connection	Description	Etc
NT 3200-X-X-X-X					Direct-Mounting	
NT 3300-X-X-X-X					Traditional-Mounting	
	G				Gauge	
	A				Absolute	
		0			Without LCD	
		1			With LCD	
			0		0.0~0.2bar	
			1		0.0~0.5bar	
			2		0.0~2.0bar	-760mmHg~2bar
			3		0.0~5.0bar	-760mmHg~5bar
			4		0.0~20.0bar	-760mmHg~20bar
			5		0.0~50.0bar	
			6		0.0~200.0bar	
				0	PT 1/2	STD
				1	PT 1/4	Adapter
				2	PF 3/8	Adapter
				3	Other	Adapter

\* Range ability in the ratio of 3:1

TERMINAL DIAGRAM



DIMENSION & PANEL CUT

