

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

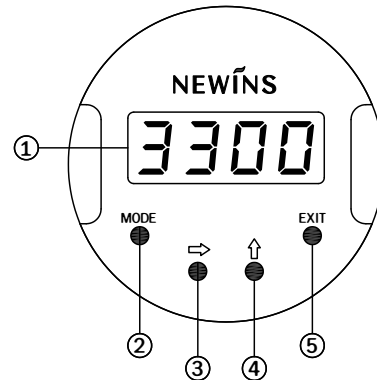


Ex d IIC T6

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℃ : <0.1mm³/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=R.Ω
- ▶ Body material : SUS 304 (Ex d IIC T6)
- ▶ Degree of protection : IP-65
- ▶ Process connection : PT1/2" STD
- ▶ Operating condition
Operating Temp/Humidity : -20~60℃, 10~90%
Storage Temp/Humidity : -20~70℃, 5~95%
- ▶ Etc
Weight : 1.7kg

PARTS NAME

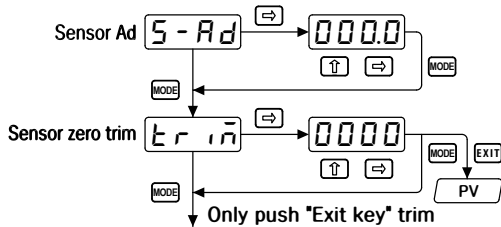


- ① Measured value display
- ② **MODE** Key :
Storage the set data and change the operation menu
- ③ Key :
Enter into the data setting mode and modify the changed location
- ④ Key :
Change the data value
- ⑤ **EXIT** Key :
Out of mode

MAJOR FUNCTIONS

► **Sensor zero trim**

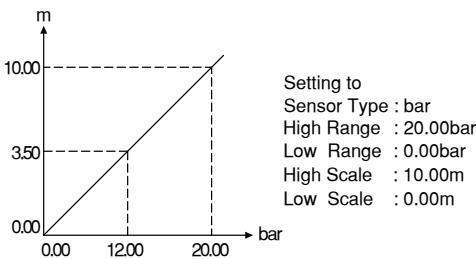
It is used to change zero point be careful of trim in the normal case. It causes real pressure value to be change.



► **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

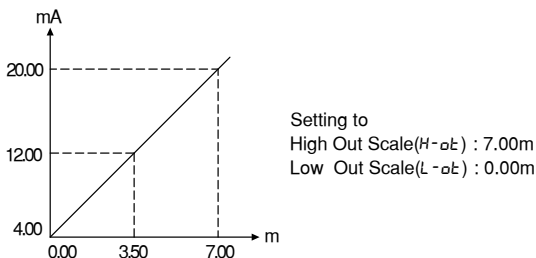


► **Output scaling function**

(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)

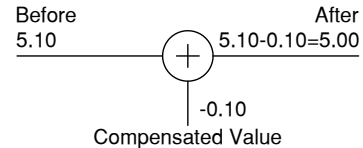
Ex) In case of display value 0.00~7.00m, Output 4.00~20.00mA



► **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**

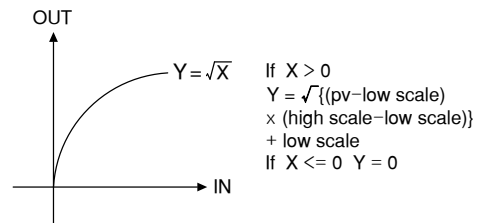
L in

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.

Ru 4, 8, 16

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

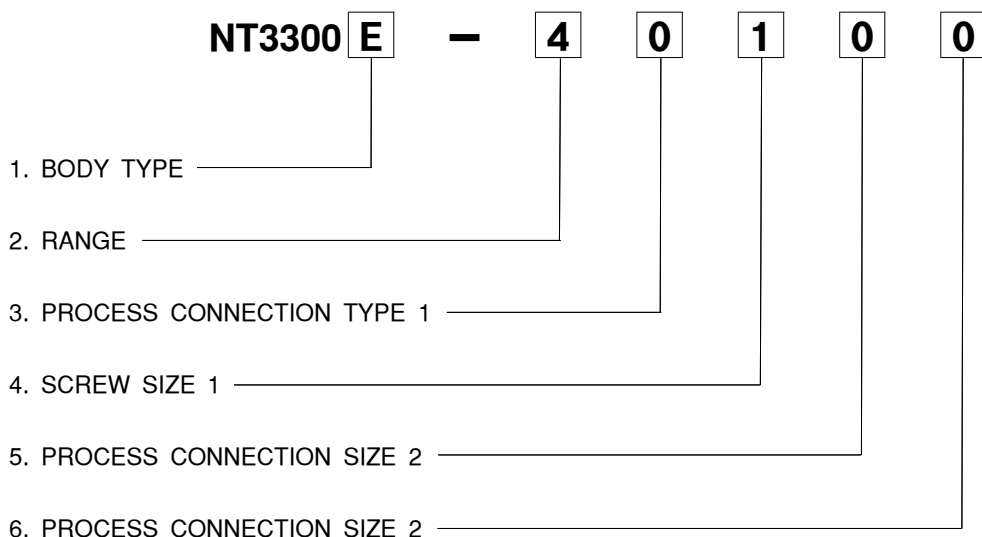
Setting filter function delays response.

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.

ORDERING CODE

MODEL CODE (BASE MODEL : NT3300E)



MODEL CODE (Detailed Specifications)

| | | | | | | | |
|-------|------------|--------|--------|--------|--------|--------|--------|
| MODEL | NT3300 | E | 4 | 0 | 1 | 0 | 0 |
| | BASE MODEL | CODE 1 | CODE 2 | CODE 3 | CODE 4 | CODE 5 | CODE 6 |

| CODE 1 | BODY TYPE |
|--------|-----------------|
| E | EXPLOSION PROOF |

| CODE 2 | RANGE |
|--------|------------------|
| 1 | 0.2bar |
| 2 | 0.5bar |
| 3 | 2.0bar |
| 4 | 20.0bar |
| 5 | 200.0bar |
| 6 | -760mmHg~1.0bar |
| 7 | -760mmHg~5.0bar |
| 8 | -760mmHg~10.0bar |

| CODE 3 | PROCESS CONNECTION TYPE |
|--------|-------------------------|
| 1 | PT |
| 2 | NPT |
| 3 | FLANGE |

| CODE 4 | PROCESS CONNECTION SIZE |
|--------|-------------------------|
| 0 | NON SELECTION |
| 1 | 1/2" |
| 2 | 3/8" |
| 3 | 3/4" |

SCREW
CODE

| CODE 5 | PROCESS CONNECTION SIZE |
|--------|-------------------------|
| 0 | NON SELECTION |
| 1 | KS(JIS) 10K |
| 2 | KS(JIS) 20K |
| 3 | KS(JIS) 30K |
| 4 | KS(JIS) 40K |
| 5 | 150# ANSI |
| 6 | 300# ANSI |
| 7 | 600# ANSI |
| 8 | 900# ANSI |

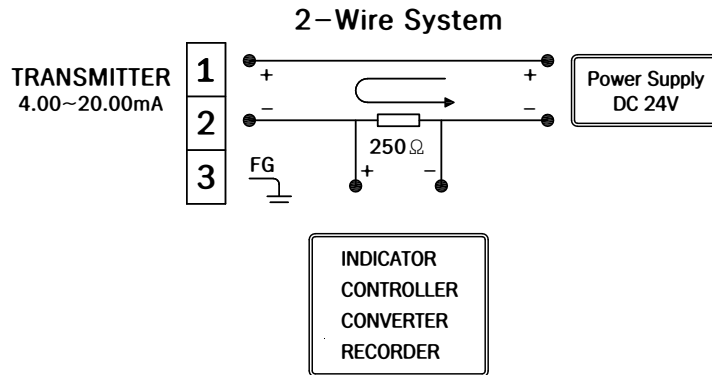
JIS
CODE

ANSI
CODE

| CODE 6 | PROCESS CONNECTION SIZE |
|--------|-------------------------|
| 0 | NON SELECTION |
| 1 | 15A(1/2") |
| 2 | 20A(3/4") |
| 3 | 25A(1") |
| 4 | 40A(1-1/2") |
| 5 | 50A(2") |

FLANGE SIZE
CODE

TERMINAL DIAGRAM



DIMENSIONS

