

FEATURES

- RGO Color display setting
- Multi-range input (T/C, RTD, Volt, mA, Etc)
- High accuracy 16bit A/D converter
- Peak hold function (Highest & Lowest)
- 2 points alarm & Dead band set
- Two unit function it can automatically convert the mmHg and bar when measuring the pressure and vacuum.



Color Setting

- 0 : Red
- 1 : Green
- 2 : Orange

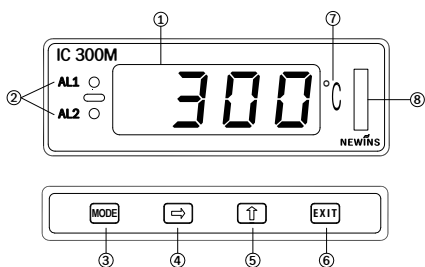


SPECIFICATIONS

- | | | | |
|-------------------------------------|---|-----------------------|--|
| ▶ Display color | : Red, Green, Orange | ▶ Alarm(Optional) | Contact output type : Normal open |
| ▶ Measuring and display cycle | : 200ms(mV, Volt, mA type)
400ms(TC, RTD type) | Max switching power | : 60W 125VA |
| ▶ Input resistance | : Volt-400kΩ
Others type-1MΩ | Max switching voltage | : DC 220V, AC 250V |
| ▶ Signal source resistance | : Pt 100Ω type-30Ω/line
Others type-300Ω/line | Max switching current | : DC 2A, AC |
| ▶ CMRR(Common Mode Rejection Ratio) | : 140dB or more | Max Carrying current | : DC 3A, AC |
| NMRR(Normal Mode Rejection Ratio) | : 60dB or more | ▶ Power supply | |
| Moving average filter | | Voltage | : DC 12~32V |
| Accuracy | : ±0.2% FS | Power consumption | : Max 1.5W |
| Ambient temperature & Humidity | | Isolation resistance | : 100MΩ, DC 500V
(FG-Input, FG-Power,
Power-Input, Input-Output) |
| Operation | : -10~50°C, 10~90% | Etc | |
| Storage | : -20~70°C, 5~95% | Weight | : 200g |
| | | Mounting | : Panel mount |
| | | Dimension | : 75(W) X 25(H) X 98(D)mm |



PARTS NAME



- ① Measured value display : RGO Color
- ② Alarm condition display
- ③ **MODE** Key : Storage the set data and change the operation menu
- ④ **⇒** Key : Enter into the data setting mode and modify the changed location
- ⑤ **↑** Key : Change the data value
- ⑥ **EXIT** Key : Out of mode
- ⑦ Unit
- ⑧ Key connector

INPUT TYPE

Sensor Type	Range	Scale	Symbol	
TC	R(PR 13%)	0~1750℃	-	ℓℓ-r
	K(CA)	-200~1350℃	-	ℓℓ-ℓ
	E(CRC)	-199.9~700.0℃	-	ℓℓ-E
	J(IC)	-199.9~800.0℃	-	ℓℓ-J
	T(CC)	-199.9~400.0℃	-	ℓℓ-ℓ
Volt	mV	-100.0~100.0mV	-1999~9999	ñu
	Volt	-10.0~10.0V	-1999~9999	u
mA	mA	4.00~20.00mA	-1999~9999	ñR
PT	Pt100Ω	-199.9~800.0℃	-	d-Pℓ
	JPt100Ω	-199.9~500.0℃	-	J-Pℓ

MAJOR FUNCTIONS

▷ Display scaling function(mV, Volt, mA only)

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

Ex) In case of input range 4.00~20.00mA and Level 0.00~7.00m

▷ Function(mV, Volt, mA type)

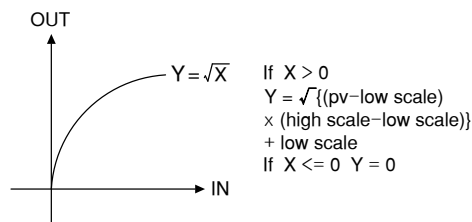
Lin

Pass the input as it is.

Used for general input type and linearity input.

root

Pass the input after √. Used for flow rate by orifice.



Limit

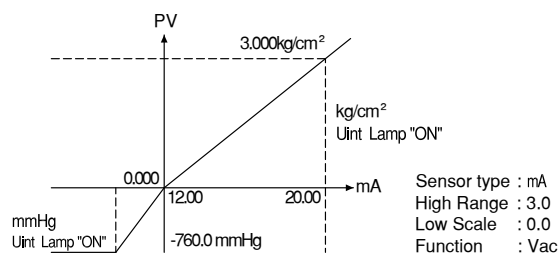
Like level measuring, when it does not display measuring under zero, it always can display zero by using limit function.

uRL

This is the function when measuring from vacuum to pressure(-760.0mmHg~3.000kg/cm²) by pressure transmitter, it converts unit and PV to mmHg under zero value and to scaled kg/cm² setting to scale high above zero value.

It is possible to trim the zero point in the atmosphere pressure by key used for sensor compensation.

Ex) To see from vacuum to pressure in transmitter specification range -760.0mmHg~3.000kg/cm² and 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 = 510℃

After sensor adjust
 = measured value + compensated value
 = 510 - 10 = 500℃



► Alarm function

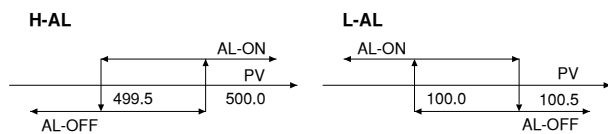
Alarm type : High, Low

The alarm consists of 4 relays, and it can output relay contact output individually

- Ex) AL-1 : High alarm value 500.0,
- AL-2 : Low alarm value 100.0,
- Alarm dead band setting 0.5

The high alarm(AL-1) is ON when the present value(PV) is 500.0 or more, and OFF when 499.5 or less.

The low alarm(AL-2) is OFF when the present value(PV) is 100.5 or more, and ON when 100.0 or less.



► Peak hold function

Peak mode 0 High peak mode

Remember the highest input value and display the highest value when pressing the key.

Peak mode 1 Low peak mode

Remember the lowest input value and display the lowest value when pressing the key.

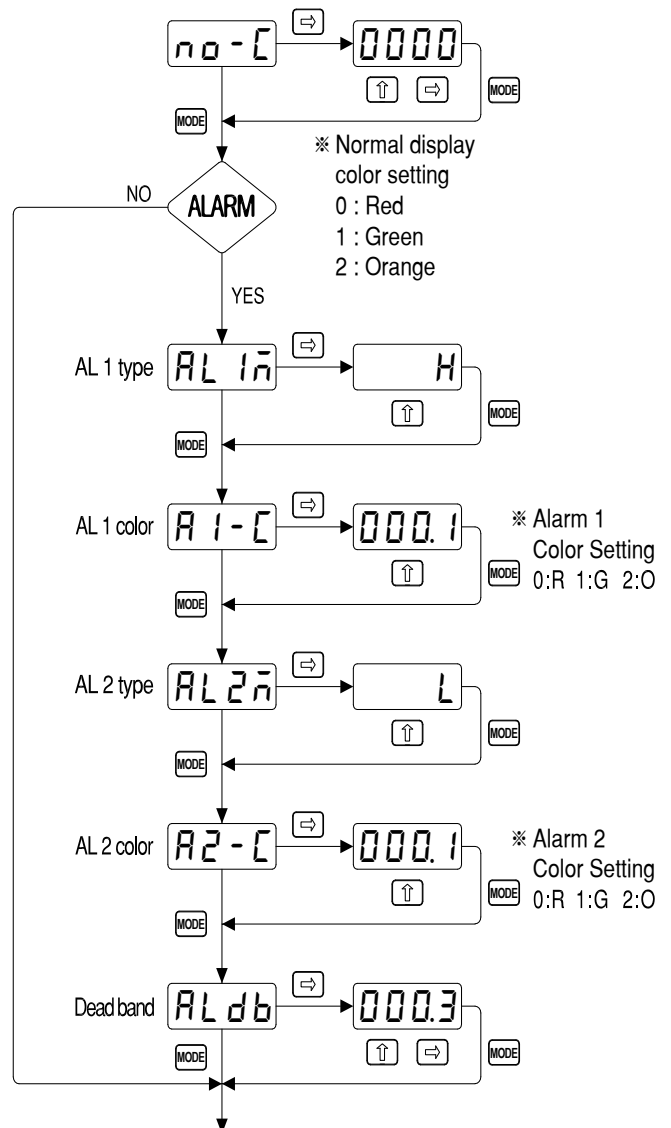
Peak mode 2 High peak & Display mode

Remember the highest input value, display the highest value in ordinary times, and output the highest transmit output.

Peak mode 3 Low peak & Display mode

Remember the lowest input value, display the lowest value in ordinary times, and output the lowest transmit output.

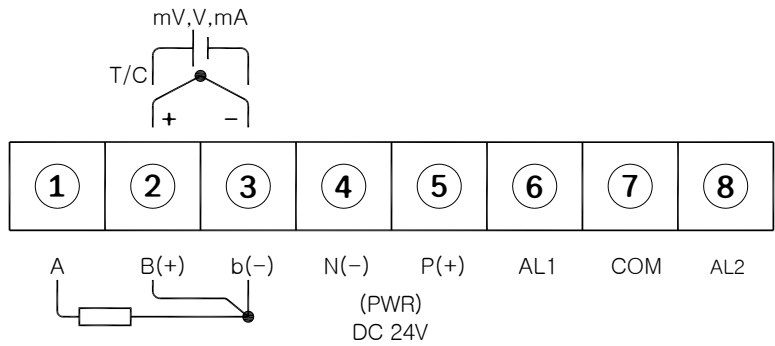
RGO Display Color Setting



ORDERING CODE

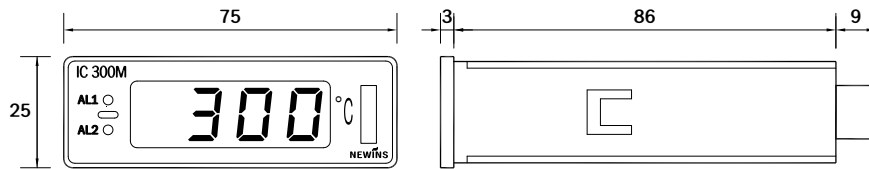


TERMINAL DIAGRAM

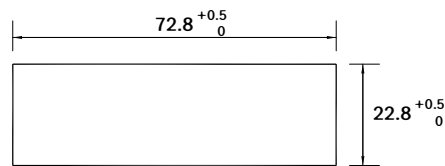


* mA Input(+ -) Needs 250 OHM 0.05% 25ppm Resistance (2, 3 Pin)

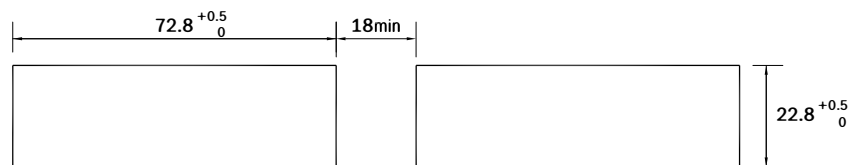
DIMENSION & PANEL CUT



PANEL CUTTING



Multi Mounting



- * Panel Thickness 1~6mm
- * $75 \times (N-1) + 72.8^{+0.5}_0$
- * N=QTY