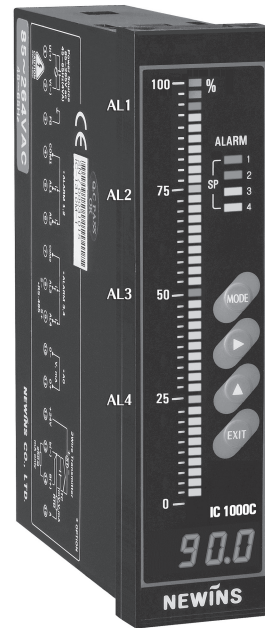


FEATURES

- RGO Color bar display setting
- Multi-range input (T/C, RTD, Volt, mA, Etc)
- Clear bar by 100mm (40bar LED)
- Peak hold function (Highest & Lowest)
- RS-485 Communication interface
- 4 points alarm & Dead band set
- Isolation current output (DC 4.00~20.00mA) & Output scaling
- High brightness 40bar LED
- Sensor power source DC 24V in STD specification



Bar Color Setting

- 0 : Red 1 : Green
- 2 : Orange 3 : None

SPECIFICATIONS

- ▶ Bar color : Red, Green, Orange
- ▶ Measuring and display cycle : 200ms(mV, Volt, mA type)
400ms(TC, RTD type)
- ▶ Input resistance : Volt - 400kΩ
Others type - 1MΩ
- ▶ Signal source resistance : Pt 100Ω type - 30Ω/line
Others type - 300Ω/line
- ▶ CMRR(Common Mode Rejection Ratio) : 140dB or more
- ▶ NMRR(Normal Mode Rejection Ratio) : 60dB or more
- ▶ Moving average filter : 4, 8, 16, 32
- ▶ Built-in sensor power source : DC 24V 30mA ±0.5%
- ▶ Accuracy : Display ±0.2% FS
Bar ±2.4% FS
- ▶ Isolation current output(Optional)
 - Current : DC 4.00~20.00mA
 - Maximum load resistance : 600Ω
 - Isolation resistance(Input-Output) : 100MΩ or more
(DC 500V)
- ▶ Ambient temperature & Humidity
 - Operation : -10~50°C, 10~90%
 - Storage : -20~70°C, 5~95%

▶ Alarm(Optional)

- Contact output type : Normal open
(Normal close-Order made)
- Max switching power : 60W 125VA
- Max switching voltage : DC 220V, AC 250V
- Max switching current : DC 2A, AC
- Max Carrying current : DC 3A, AC

▶ Power supply

- Voltage : AC 85~265V(45~65Hz)
DC 24V(Optional)
- Power consumption : Max 4VA
- Isolation resistance : 100MΩ, DC 500V
(FG-Input, FG-Power,
Power-Input, Input-Output)

▶ Communication interface(Optional)

- Type : RS-485
- Speed : 4800, 9600, 19200bps
- ID(address) setting : 0~15

▶ Etc

- Weight : 500g
- Mounting : Panel mount
- Dimension : 35.5(W) X 143(H) X 111(D)mm

A

B

C

D

E

F

G

H

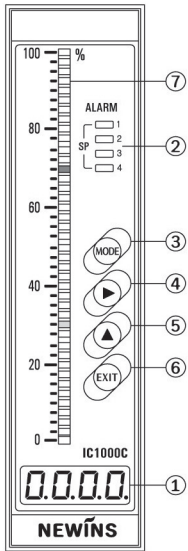
I

J

3색 칼라 바-지시계

RGO BAR TYPE INDICATOR WITH ALARM

PARTS NAME



- ① Measured value display
- 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 Bar display

INPUT TYPE

▷ Multi range input

- Free input selection by code

Sensor Type	Range	Scale	Simbol	
TC	B(PR)	0~1800℃	-	ℓℓ-b
	R(PR)	0~1750℃	-	ℓℓ-r
	S(PR)	0~1750℃	-	ℓℓ-s
	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-t
Volt	mV	-50.0~50.0mV	-1999~9999	ℓℓ
	Volt	-1.000~1.000V	-1999~9999	ℓℓ
	Volt	-10.0~10.0V	-1999~9999	ℓℓ
mA	mA	4.00~20.00mA	-1999~9999	ℓℓ
PT	Pt100Ω	-199.9~800.0℃	-	ℓℓ-Pt
	JPt100Ω	-199.9~500.0℃	-	ℓℓ-Pt

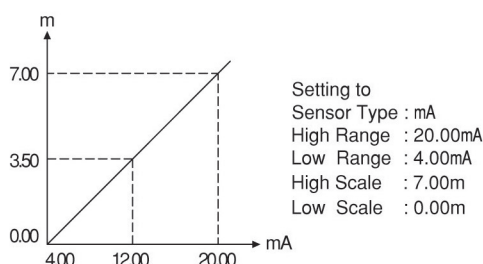
* mA type : External 250Ω(±0.1% 25ppm) resistance is attached.

MAJOR FUNCTIONS

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

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

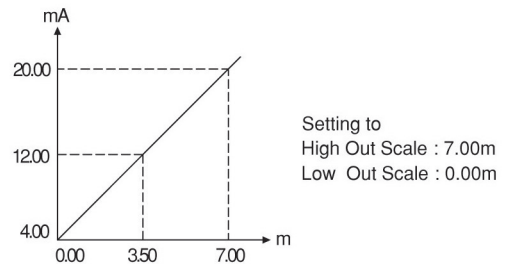
Ex) In case of input range 4.00~20.00mA and Level 0.00~7.00m



▷ Output scaling function

This function can change the 4.00~20.00mA value as the output scale.

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



▷ Sensor compensation function

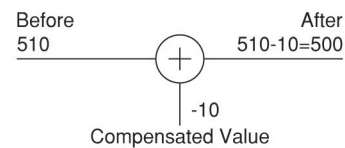
The function is useful for compensating error by long sensor line or changed zero point by aged sensor.

Ex) Before sensor adjust = 510℃

After sensor adjust

= measured value + compensated value

= 510 - 10 = 500℃



▷ Function(mV, Volt, mA type)

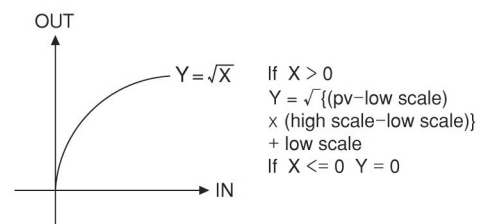
L in

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.



L inℓ

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

▷ Bar display

According to display scale set,

Low scale is 0%(1bar LED on).

High scale is 100%(40bar LED on).

* Bar scale range is fixed from 0% to 100% fix.

3색 칼라 바-지시계

RGO BAR TYPE INDICATOR WITH ALARM

▶ Alarm function

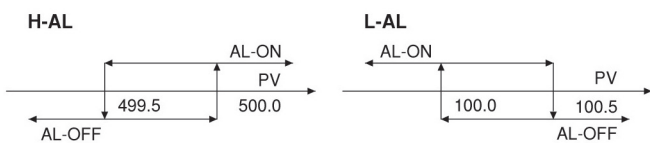
Alarm type : High, Low

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

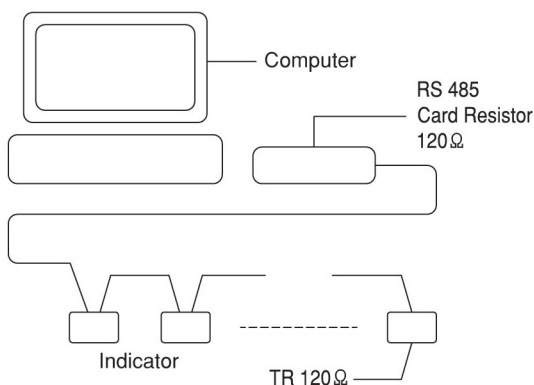
Remember the highest input value, display the highest value in ordinary times, and output the highest transmit output.

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.

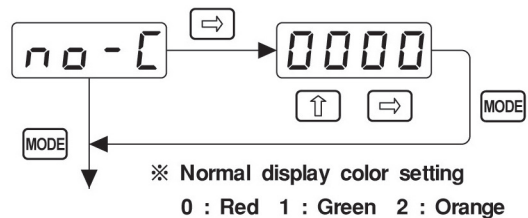
▶ Communication interface

It is possible to communicate with computer and to monitor remote by using RS-485 communication interface.



RGO BAR COLOR SETTING

▶ Main bar color setting



▶ Auto alarm color point

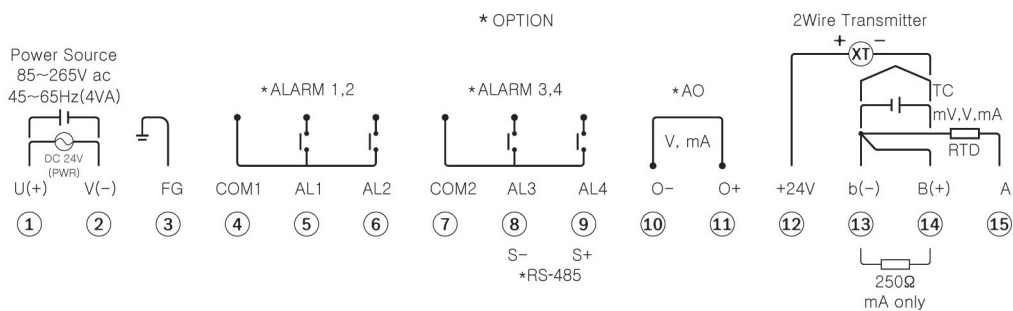
- ① Main bar (Red)
 - AL1, 3 : Orange
 - AL2, 4 : Green
- ② Main bar (Green)
 - AL1, 3 : Red
 - AL2, 4 : Orange
- ③ Main bar (Orange)
 - AL1, 3 : Green
 - AL2, 4 : Red

A
B
C
D
E
F
G
H
I
J

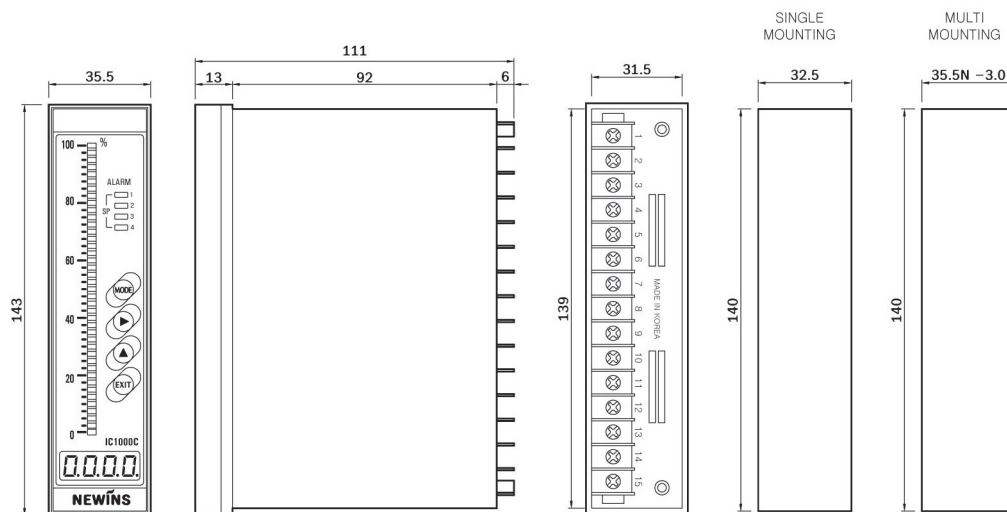
ORDERING CODE

IC 1				C	Description
Type	1				Indicator
	2				Indicator with 2Alarm
	3				Indicator with 4Alarm
Analog output	0				None
	1				DC 4.00~20.00mA
	2				Etc
Power			0		AC 85~265V (45~65Hz)
			1		DC 24V
Interface				0	None
				1	RS-485
				2	Etc

TERMINAL DIAGRAM



DIMENSION & PANEL CUT



*N = QTY