

FEATURES

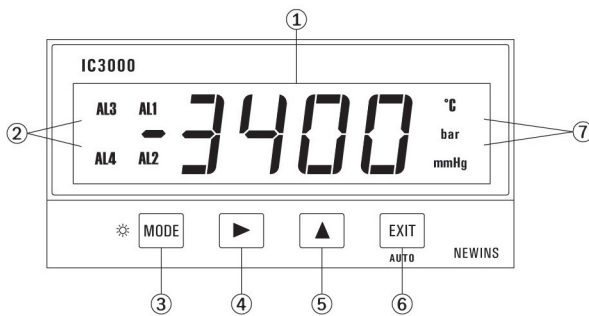
- Potentiometer input
- High accuracy 16bit A/D converter
- RS-485 Communication interface
- 4 points alarm & Dead band set
- Isolation current output (DC 4.00~20.00mA)
& Output scaling



SPECIFICATIONS

- ▶ **Input(Potentiometer)** : 1k Ω (Span Range : 100~999.9 Ω)
100k Ω (Span Range : 0~100.0k Ω)
- ▶ **Measuring and display cycle** : 100ms
- ▶ **Input resistance** : Max 1M Ω
- ▶ **CMRR(Common Mode Rejection Ratio)** : 140dB or more
- ▶ **NMRR(Normal Mode Rejection Ratio)** : 60dB or more
- ▶ **Moving average filter** : 4, 8, 16, 32
- ▶ **Accuracy** : $\pm 0.2\%$ FS
- ▶ **Isolation current output(Optional)**
 - Current : DC 4.00~20.00mA
 - Maximum load resistance : 600 Ω
 - Isolation resistance(Input-Output) : 100M Ω or more (DC 500V)
- ▶ **Alarm(Optional)**
 - Contact output type : Normal open
 - Max switching power : 60W 125VA
 - Max switching voltage : DC 220V, AC 250V
 - Max switching current : DC 2A, AC
 - Max Carrying current : DC 3A, AC
- ▶ **Ambient temperature & Humidity**
 - Operation : -10~50 $^{\circ}$ C, 10~90%
 - Storage : -20~70 $^{\circ}$ C, 5~95%
- ▶ **Power supply**
 - Voltage : AC 110/220V(50~60Hz)
DC 24V(Optional)
 - Power consumption : Max 4VA
 - Isolation resistance : 100M Ω , 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 : 99(W) X 51(H) X 112(D)mm

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 Unit

INPUT TYPE

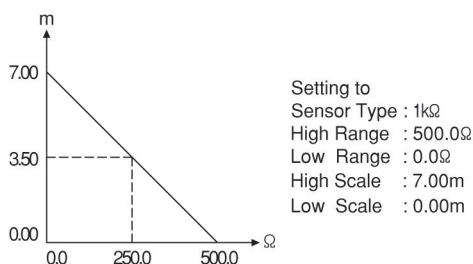
Sensor Type	Range	Scale
500	0 ~ 500Ω	-1999 ~ 9999
5k	0 ~ 5kΩ	-1999 ~ 9999

MAJOR FUNCTIONS

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

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

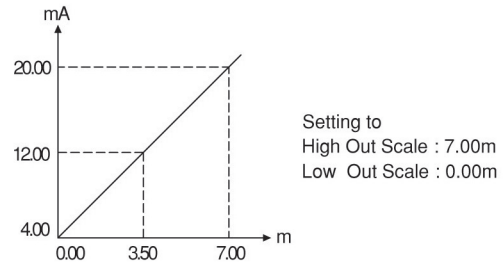
Ex) In case of input range 500.0~0.0Ω and Level 0.00~7.00m



► 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

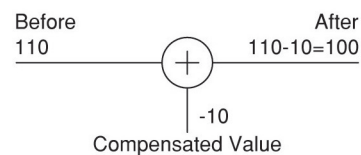
The function is useful for compensating error by long sensor line or changed zero point by aged sensor

Ex) Before sensor adjust = 110°C

After sensor adjust

= measured value + compensated value

= 110 - 10 = 100°C



► Alarm function

Alarm type : High, Low

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

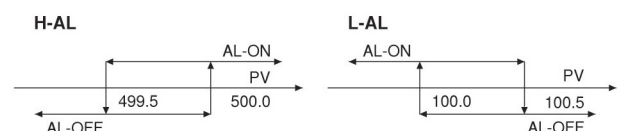
Ex) AL-1 : High alarm value 500.0,

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.

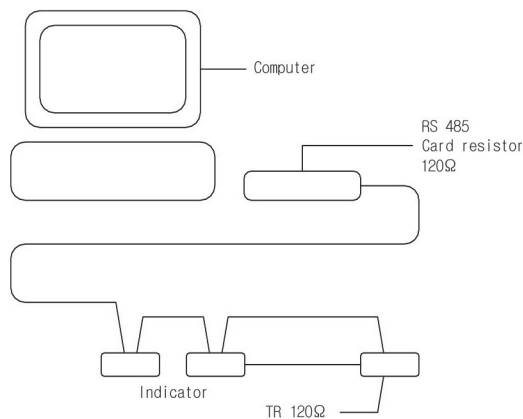
The low alarm(AL-2) is OFF when the present value(PV) is 100.5 or more, and ON when 100.0 or less.



디지털 지시경보계(가변저항력)

DIGITAL POTENTIOMETER

► Communication interface

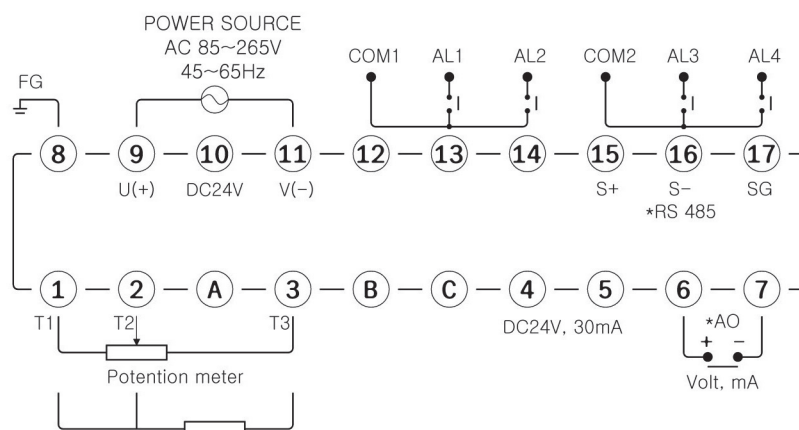


It is possible to communicate with computer and to mirror remote by using RS-485 communication in interface

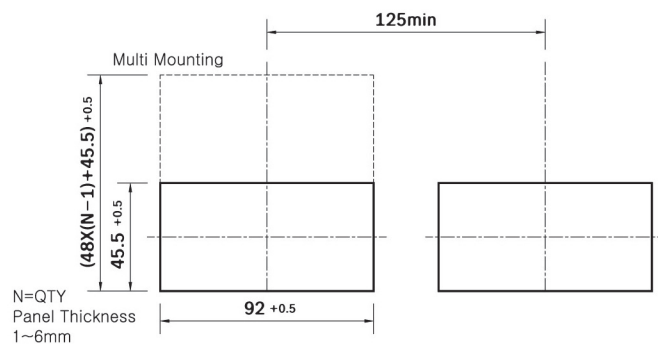
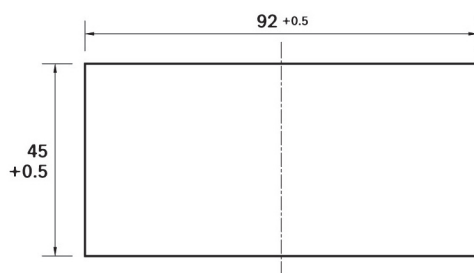
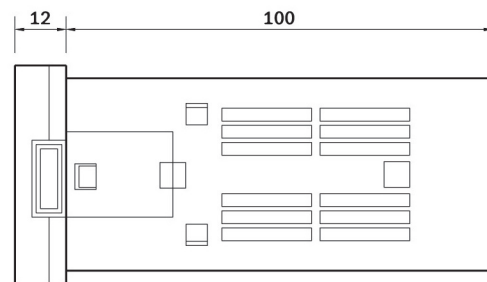
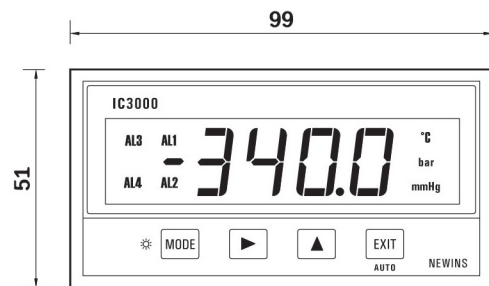
ORDERING CODE

IC 34			-			Description
Type	1 2 3					Indicator Indicator with 2Alarm Indicator with 4Alarm
Analog output	0 1 2 3					None DC 4.00~20.00mA DC 4.00~20.00mA (2 Output) Etc
Power			0 1 2			AC 85~265V (45~65Hz) DC 24V Etc
Interface				0 1 2		None RS-485 Etc

TERMINAL DIAGRAM



DIMENSION & PANEL CUT



A

B

C

D

E

F

G

H

I

J