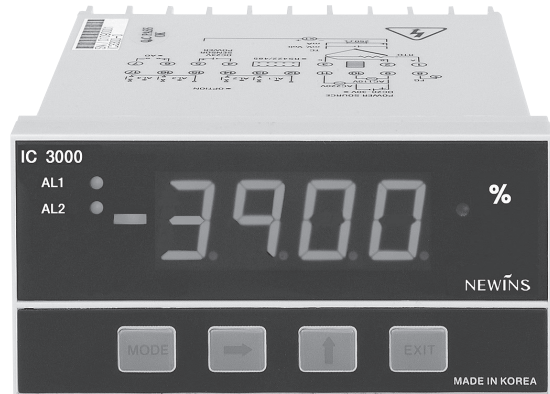


FEATURES

- Input 12 points linear table and output property curve you want.
- High accuracy 16bit A/D converter
- 2 points alarm & Dead band set
- Isolation current output (DC 4.00~20.00mA) & Output scaling
- Sensor power source DC 24V in STD specification



SPECIFICATIONS

- ▷ Input : mV, V, mA
- ▷ Measuring and display cycle : 200ms(mV, Volt, mA type)
- ▷ Input resistance : Volt - 400k Ω
Others type - 1M Ω
mA - 250 Ω
- ▷ Signal source resistance : 300 Ω /line
- ▷ CMRR(Common Mode Rejection Ratio) : 140dB or more
- ▷ NMRR(Normal Mode Rejection Ratio) : 60dB or more
- ▷ Moving average filter
- ▷ Built-in Sensor power source : DC 24V 30mA $\pm$ 0.5%
- ▷ 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)
- ▷ Ambient temperature & Humidity
 - Operation : -10~50 $^{\circ}$ C, 10~90%
 - Storage : -20~70 $^{\circ}$ 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

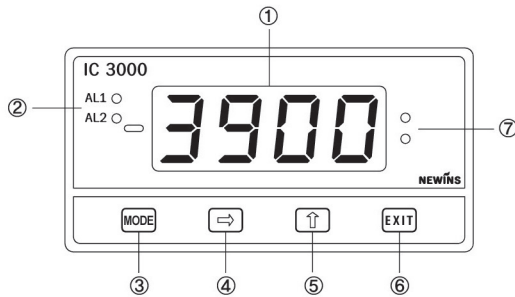
▷ Power supply

- Voltage : AC 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)

▷ 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	Symbol
Volt	mV	-100.0~100.0mV	-1999~9999	$\bar{n}u$
	Volt	-10.0~10.0V	-1999~9999	u
mA		4.00~20.00mA	-1999~9999	$\bar{n}R$

* mV input : -100.0~100.0mV(minimum range 10mV)

* Volt input : -10.0~10.0V(minimum range 0.5V)

MAJOR FUNCTIONS

Alarm function

Alarm type : High, Low

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

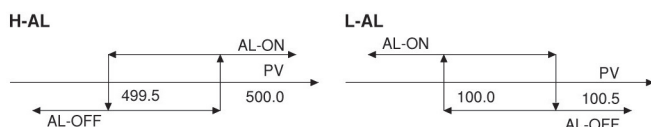
Ex) AL-1 : High alarm value 500.0,

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.

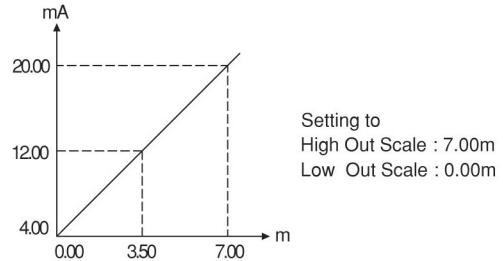


Output scaling function

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

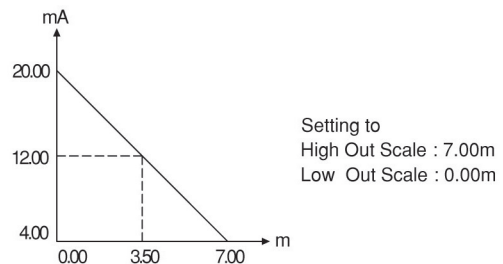
Ex A) In case of display value 0.00~7.00m,

Output 4.00~20.00mA



Ex B) In case of display value 0.00~7.00m,

Output 4.00~20.00mA

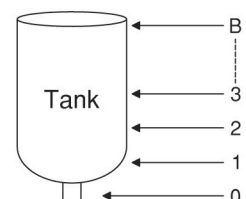
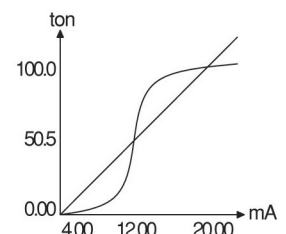


Linearizer function(mV, Volt, mA only)

This function is when inputting by inputted linear table, it reads up-and-down two points mostly close to current input from table and makes them more straight.

Ex) In case of input range 4.00~20.00mA and spherical tank to measure volume and weight of contents, assume that weight is 100.0ton.

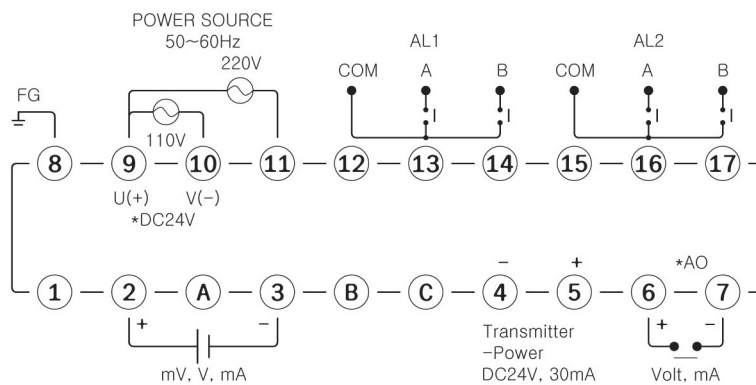
Step	Range	Scale
0	0.00	-25.0
1	2.00	-12.5
2	4.00	0.00
3	6.00	12.5
4	8.00	25.0
5	10.00	37.5
6	12.00	50.0
7	14.00	62.5
8	16.00	75.0
9	18.00	87.5
A	20.00	100.0
B	22.00	112.5



ORDERING CODE

IC 39			-		Description
Type	1 2				Indicator Indicator with 2Alarm
Analog output	0 1 2				None DC 4.00~20.00mA Etc
Power			0 1 2		AC 110/220V (50~60Hz) DC 24V Etc

TERMINAL DIAGRAM



DIMENSION & PANEL CUT

