

FEATURES

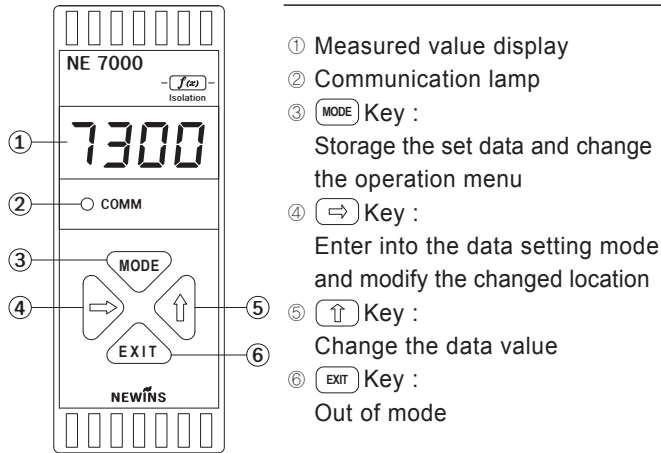
- ⦿ Potention meter input
- ⦿ High accuracy 16bit A/D converter
- ⦿ Peak hold function (Highest & Lowest)
- ⦿ 2 points alarm & Dead band set
- ⦿ Isolation current output (DC 4.00~20.00mA) & Output scaling



SPECIFICATIONS

- | | | | |
|--|--------------------------|--------------------------|---|
| ▷ Input(Potention meter) | : 0Ω~10kΩ, 1.25V | ▷ Alarm(Optional) | |
| ▷ Measuring and display cycle | : 100ms | Contact output type | : Normal open |
| ▷ Input resistance | : 1MΩ | Max switching power | : 60W 125VA |
| ▷ CMRR(Common Mode Rejection Ratio) | : 140dB or more | Max switching voltage | : DC 220V, AC 250V |
| ▷ NMRR(Normal Mode Rejection Ratio) | : 60dB or more | Max switching current | : DC 2A, AC |
| ▷ Moving average filter | | Max Carrying current | : DC 3A, AC |
| ▷ Accuracy | : ±0.2% FS | ▷ Power supply | |
| ▷ Isolation current output(Optional) | | Voltage | : AC 110/220V(50~60Hz)
DC 24V(Optional) |
| Current | : DC 4.00~20.00mA | Power consumption | : Max 4VA |
| Maximum load resistance | : 600Ω | Isolation resistance | : 100MΩ , DC 500V
(FG-Input, FG-Power,
Power-Input, Input-Output) |
| Isolation resistance(Input-Output, Two-Output) | : 100MΩ or more(DC 500V) | ▷ Etc | |
| ▷ Ambient temperature & Humidity | | Weight | : 200g |
| Operation | : -10~50℃, 10~90% | Mounting | : Din rail & wall mounted |
| Storage | : -20~70℃, 5~95% | Dimension | : 30.5(W) X 80(H) X 102(D)mm |

PARTS NAME



INPUT TYPE

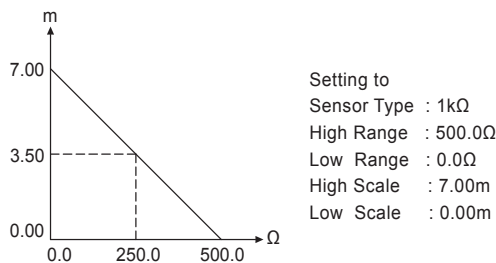
Sensor Type	Range	Scale	Symbol
Pot	500	0~500Ω	-1999~9999
	5k	0~5kΩ	-1999~9999

MAJOR FUNCTIONS

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

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

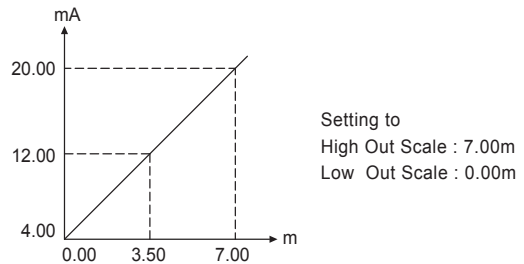
Ex) In case of input range 0.0~500.0Ω and Level 0.00~7.00m



▷ 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



▷ Alarm function

Alarm type : High, Low.

The alarm consists of 2 relays, and it can output relay contact output individually

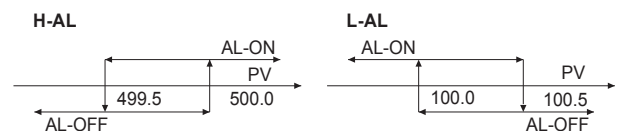
Ex) AL-1 : High alarm value 500.0,

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.



▷ Sensor compensation function

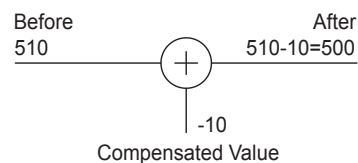
The function is useful for compensating error by long sensor line or changed zero point by aged sensor.

Ex) Before sensor adjust = 510℃

After sensor adjust

= measured value + compensated value

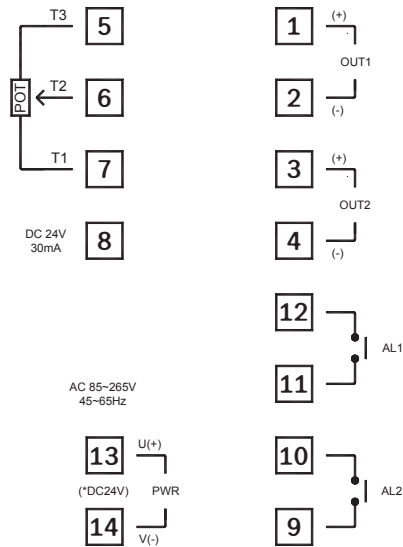
= 510 - 10 = 500℃



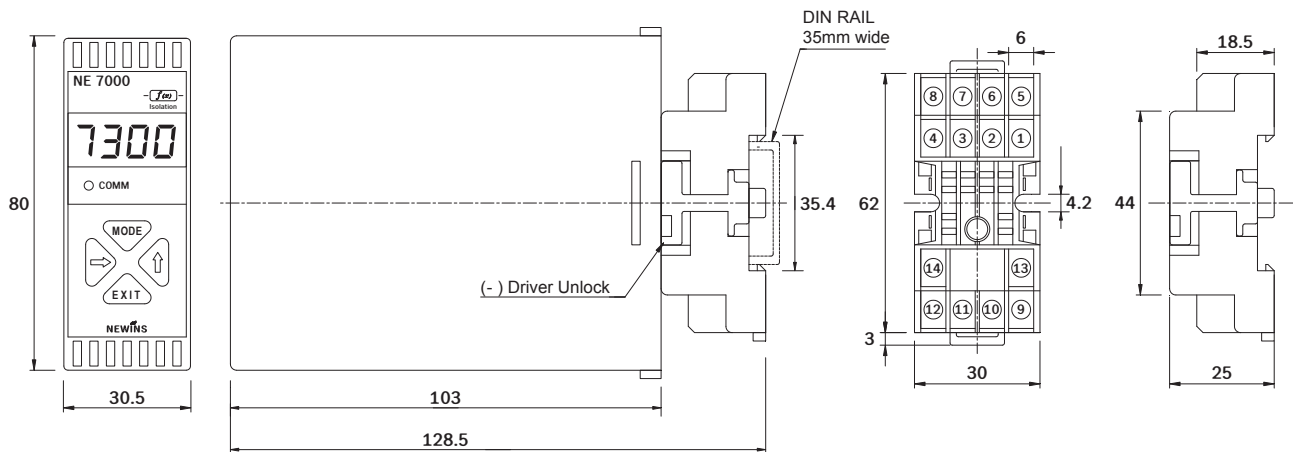
ORDERING CODE

NE 73		-	Description
Analog output	00		DC 4.00~20.00mA
	01		DC 4.00~20.00mA (2 Out)
	02		1~5 Volt
	03		1~5 Volt(2 Out)
	04		0~10 Volt
	05		0~10 Volt (2 Out)
	06		4.00~20.00mA + 1 Alarm
	07		4.00~20.00mA + 2 Alarm
	08		1~5 Volt + 1 Alarm
	09		1~5 Volt + 2 Alarm
	10		Etc
Power		0	AC 85~265V(45~65Hz)
		1	DC 12~32V
		2	Etc

TERMINAL DIAGRAM



DIMENSION & PANEL CUT



* When mounting, no extra space is needed between units