

FEATURES

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



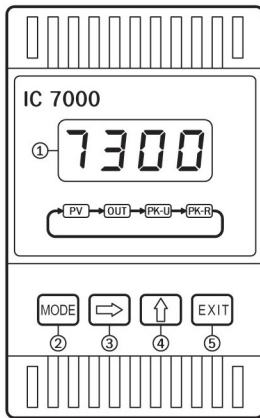
SPECIFICATIONS

- ▷ Input(Potentiometer) : 100Ω~100kΩ, 1.25V
- ▷ Measuring and display cycle : 100ms
- ▷ Input resistance : 1MΩ
- ▷ CMRR(Common Mode Rejection Ratio) : 140dB or more
- ▷ NMRR(Normal Mode Rejection Ratio) : 60dB or more
- ▷ Moving average filter
- ▷ Accuracy : ±0.2% FS
- ▷ Isolation current output(Optional)
 - Current : DC 4.00~20.00mA
 - Maximum load resistance : 600Ω
 - Isolation resistance(Input-Output, Two-Output) : 100MΩ or more(DC 500V)
- ▷ Ambient temperature & Humidity
 - Operation : -10~50℃, 10~90%
 - Storage : -20~70℃, 5~95%
- ▷ Alarm(Optional)
 - Contact output type : Normal open, Normal close
 - 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 : 100MΩ, DC 500V
(FG-Input, FG-Power, Power-Input, Input-Output)
- ▷ Etc
 - Weight : 500g
 - Mounting : Din rail & wall mounted
 - Dimension : 50(W) X 80(H) X 102(D)mm

가변저항 변환기

POTENTIOMETER CONVERTER

PARTS NAME



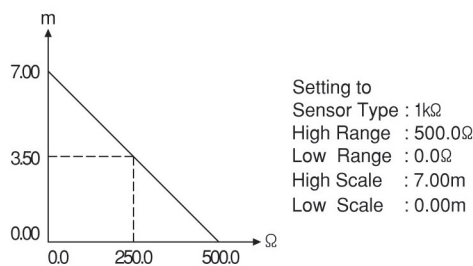
- ① Measured value display
- ② **MODE** Key :
Storage the set data and change the operation menu
- ③ **→** Key :
Enter into the data setting mode and modify the changed location
- ④ **↑** Key :
Change the data value
- ⑤ **EXIT** Key : Out of mode

MAJOR FUNCTIONS

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

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

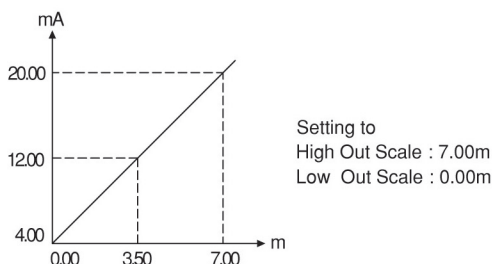
Ex) In case of input range 0.0~500.0Ω and Level 0.00~7.00m



► 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

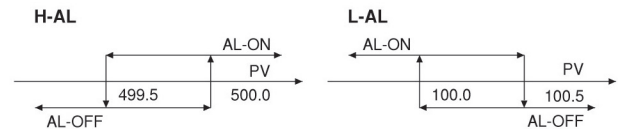
Ex) AL-1 : High alarm value 500.0,

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

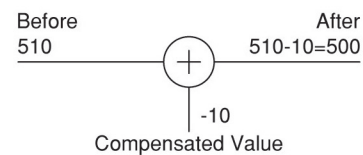
The function is useful for compensating error by long sensor line or changed zero point by aged sensor.

Ex) Before sensor adjust = 510℃

After sensor adjust

= measured value + compensated value

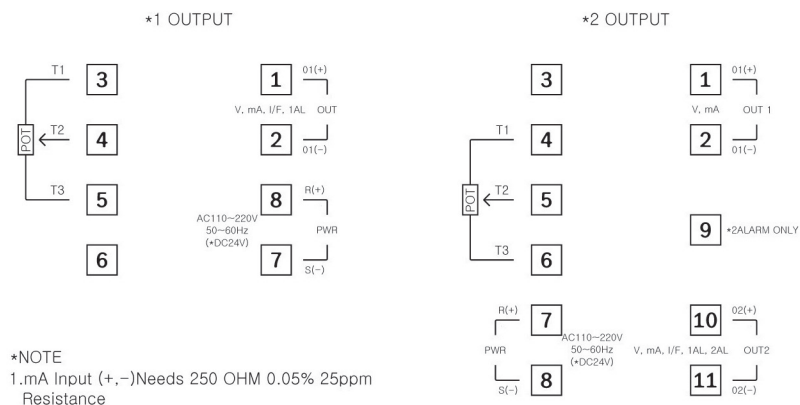
= 510 - 10 = 500℃



ORDERING CODE

IC 73		Description
Analog output	0	DC 4.00~20.00mA
	1	DC 4.00~20.00mA (2 Output)
	2	DC 0.0~10.0V
	3	DC 0.0~10.0V (2 Output)
	4	DC 1.0~5.0V
	5	DC 1.0~5.0V (2 Output)
	6	DC 4.00~20.00mA + 1Alarm
	7	2Alarm
	8	Etc
Power	0	AC 110/220V by S/W
	1	DC 24V

TERMINAL DIAGRAM



DIMENSION & PANEL CUT

