FEATURES

- Multi-range input (T/C, RTD, Volt, mA).
- High accuracy 16bit A/D converter
- Peak hold function (Highest & Lowest)
- Burnout function
- 2 points alarm & Dead band set.

SPECIFICATIONS

- **Measuring and display cycle** : 100ms
- **Input resistance** :100㏁
- **CMRR (Common Mode Rejection Ratio)** : 140db or more
- **NMRR (Normal Mode Rejection Ratio)** : 60dB or more
- **Moving average filer**
- **Accuracy** : ± 0.2%FS
- **Alarm Output** : 2-SPDT, 1-SPDT
  - Contact output type : Normal open, Normal close
  - Max switching power : 60W 125VA
  - Max switching voltage : 220VDC, 250VAC
  - Max switching Current : 2A DC, AC
  - Max Carrying current : 3A DC, AC
- **Ambient temperature & Humidity**
  - Operation : -10℃~60℃, 10%~90%
  - Storage : -20℃~70℃, 5%~95%
- **Power supply**
  - Voltage : AC110/220V (50/60Hz), DC24V(Option)
  - Power consumption : 4VA Max
  - Isolation resistance : 100㏁ 500VDC
    (FG-Input, FG-Power, Power-Input, Input-Output)
- **Material**
  - Case & Cover : ST304
  - Stem : ST304, ST306
  - Socket : ST304, ST306, ST304L, ST306L, Titanium, Monel, Hastelloy, Teflon Lining, Glass Lining
- **Dial Size** : ₡100
- **Connection size** : PF1/2" (STD)
- **Stem Out dia** : ₡32, ₡48, ₡64, ₡80mm
- **Enclose Class** : Drip proof
- **Cable Gland** : PF1/2"
- **Etc**
  - Weight : 600g
  - Mounting : Local mount

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INPUT TYPE

Type		Range	Scale	Simbol
TC	R(PR13%)	0~1750℃	-	tC-r
	K(CA)	-200~1350℃	-	tC-K
	E(CRC)	-200.0~700.0℃	-	tC-E
	J(IC)	-200.0~800.0℃	-	tC-J
	T(CC)	-200.0~400.0℃	-	tC-t
PT	Pt100Ω	-200.0~800.0℃	-	Pt
	JPT100Ω	-200.0~500.0℃	-	JPt

MAJOR FUNCTION

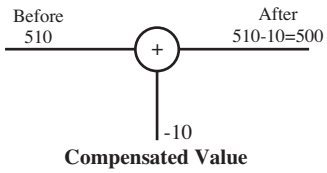
• Sensor compensation function

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



Compensated Value

• Alarm function

Alarm type : High, Low

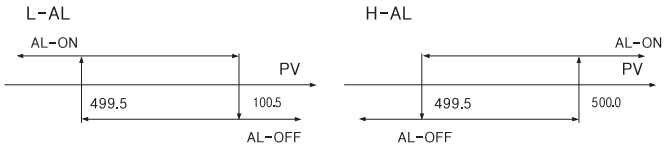
The alarm consists of 2 relays, and it can output Relay contact output individually

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.



• Peak hold funtion

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.

ORDERING CODE

IC48 [A] [B] – [C] [D] [E] [F]

[A] TYPE
1. Direct mount type
2. Remote mount type

[B] POWER
0. AC 110/220 Volt
1. DC 24 Volt
2. ETC

[C] INPUT
1. PT (Pt, JPT)
2. T/C (R, S, T, E, IC, K)
3. Etc

[D] Stem (dia x Length + Connection size)
1. ¢ 8.0 x100L + PF1/2" (STD)
2. Others

[E] Well
0. None
1. Well spec'

[F] Capillary
- Capillary Length (Remote type only)

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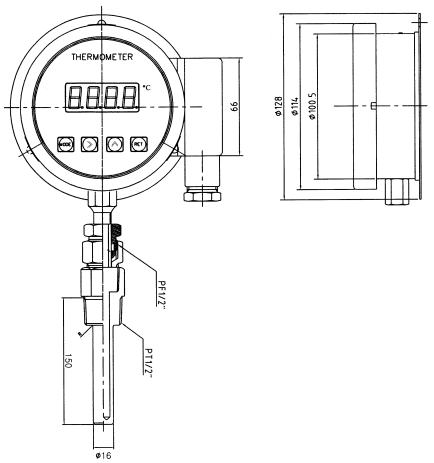
TERMINAL DIAGRAM

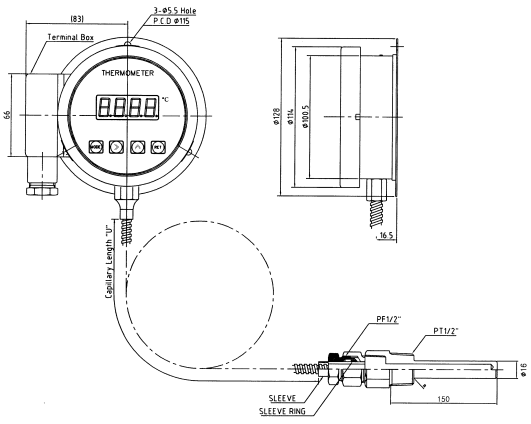
* 1ALARM		* 2ALARM	
6 220V	3 N.O	6 220V	3 AL1
5 110V	2 COM	5 110V	2 COM
4 0V	1 N.C	4 0V	1 AL2

ALARM RATING
AC 250V 2A
(RESISTANCE LOAD)

DIMENSION & PANEL CUT



* IC-4810



* IC-4820