



■ Features

- It can be accepts semi multi input such as Group A(mA, 2 Wire), B(TC, Volt, LCT), and C(RTD, PMC).
- It is improved reliability by use of high resolution 16bit A/D converter.
- It has burnout function which displays maximum value when sensor is open.
- It outputs isolated DC signal as input changes and also possible output scaling.

■ Input type

Group	Type	Range	Display	
A	mA	DC 4~20mA	MA	
	2Wire	DC 24V/4~20mA	MA	
	SQT	DC $\sqrt{4}$ ~20mA	MA	
B	TC	R(PR13%)	0 ~ 1750	TC- R
		K(CA)	-200 ~ 1350	TC- K
		E(CRC)	-199.9 ~ 700.0	TC- E
		J(IC)	-199.9 ~ 800.0	TC- J
		T(CC)	-199.9 ~ 400.0	TC- T
	Volt	Volt	-10 ~ 10V	V
LCT	mV	-100 ~ 100 mV	MV	
C	RTD	Pt100 Ω	-199.9 ~ 800.0	PT
		JPt100 Ω	-199.9 ~ 500.0	JPT
	PMC	0~100 k Ω	0 ~ 9999	RES

■ Order information

SCONI - 1300 - -

● Input signal

A Group	mA, 2 Wire
	SQT
B Group	T/C, mV, Volt
	LCT
C Group	RTD
	PMC

● Output signal

1	DC 0 ~ 5V
2	DC 0 ~ 10V
3	DC 1 ~ 5V
4	DC 0 ~ 20mA
5	DC 4 ~ 20mA
6	DC 1 ~ 5mA
R	Other

● Power supply

X	AC 110V / 220V
Y	DC 24V

■ General specification

Item	Specification
Input Resistance	Volt type : 400kΩ, mA type : 250Ω
	Other type : 1MΩ
Source Res	PT100Ω : 20Ω/Line, Others : 300Ω/Line
Sensor Power	DC 24V/30mA ± 0.5%
	DC 10V/30mA ± 0.5%(for LCT)
Response Time	400ms
Relay Contact	AC 125V(2A) , DC 30V(3A)
Tolerance	0.2% of Span at 23
Linearity	0.1% of Span
Load Resistance	4~20mA DC(0 ~ 600Ω)
	0~10V DC(1kΩ or more)
Isolation	Input/Output, DC 500V More than 100MΩ
Dielectric Strength	Input/Output/Power, AC 1500V / min
Power Supply	AC 110/220V ±10%(50/60Hz) 4VA
	DC 24V ±10%, Less than 100mA
Operating Temperature	-10 ~ 60
Operating Humidity	10 ~ 90%
Weight	Approx 500gr(AC), 300gr(DC)
Material/Color	ABS Resin / Gray
Dimension	W 96 x H 48 x D 112 (mm)
Mounting	Panel Flush

■ Main functions

● Display scaling function(mV, Volt, mA Type)

It changes and set up display value(PV) as scale and input range.

● Sensor compensation function

This function is able to add or subtract compensation value when changes of zero point as long time use of sensor or occurrence of error as long sensor line.

● Function(mV, Volt, mA Type)

LIN It transfers input value to output without any operation. It is used to input process which requires linearity and general measurement.

Root It transfers input by square root and used to measure flow with orifice.

Limit This function displays zero when does not need under zero such as level measurement.

● Output scaling function

This function changes output of current, voltage as change of output scale.

■ Terminal connection

