

The Model SCON - 300 is DIN size, 4 digit DC panel meter with isolated analog output and 4 Alarm outputs. Automatic calculation Display range , ZERO & SPAN of input.

ORDERING INFORMATION

Specify code number and variables

@ Code number : SCON - Model - Input, Output, Power (e.g. SCON- 300 - RNX)
 @ Special input, outputs range : CODE, Display range, Input range (e.g. SCON -300 - DNX, 0-9999, 4-20 mA)

GENERAL SPECIFICATIONS

Construction : panel flush mounting
 Connection : screw terminals
 Housing material : Plastic(resin) light-gray
 Input configuration : Differential Input
 Scaling : Functional switches at the front panel

DISPLAY

LED : 0.6 inch or 1 inch 7-segment, red or green
 Number of display digits : 4 (-9999 ~ 9999)
 Decimal point position : 3 positions selected by a programmed functional switches at the front panel
 Set-point adjustments : front-accessed programmed functional switches
 Hysteresis (dead-band) : 0.1 ~ 2.0 % of FS by programmed functional switches
 Over-range indication : display "OVER"
 Engineering unit indication : sticker attached
 Burn Out : Selectable Up-Scale or Down-Scale

INSTALLATIONS

Power supply : AC 110V / 220V 60Hz
 DC 24V \pm 10%, 5VA
 Operating temperature : 0 to 55 °C (32 to 131 °F)
 Operating humidity : 20 - 80% RH(non-condensing)
 Mounting : panel flush mounting
 Size : W96 x H48 x D118 mm (3.78" x 1.89" x 4.65")

PERFORMANCE

Accuracy : \pm 0.1 % of FS
 Temp. coefficient : \pm 0.01% of FS + 0.1 digit / °C
 Insulation resistance : 100Mohm or more with 500VDC
 Dielectric strength : AC 1500V at 1 Minute (input to power)

INPUT & OUTPUTS

INPUT

DC voltage : 0 ~ 300VDC minimum span : 10mV

DC current : resister incorporated

PAC & RTD

DC voltage		DC current	
Input	Impedance	Input	Resistance
0 - 10 mV	10 KOhm or more	4 - 20 mA	250 Ohm
0 - 100 mV	100 KOhm or more	10 - 50 mA	100 Ohm
0 - 10 V	1 MOhm or more	0 - 1 mA	1000 Ohm
> 12 V	2.5 KOhm / V		
PMC	Input :100~100Kohm	RTD	Input:: -200~+600°C

Multi-function Digital Indicator

OUTPUT

DC current

OUTPUT	LOAD RESISTANCE	IMPEDANCE
4 - 20 mA	0 - 500 Ohm	5 MOhm or more
0 - 20 mA		
0 - 10 mA	0 - 1000 Ohm	
0 - 1 mA	0 - 10 KOhm	

DC voltage

OUTPUT	LOAD RESISTANCE	IMPEDANCE
0 - 10 mV	10 Kohm or more	10 Ohm or less
0 - 100 mV	100 Kohm or more	100 Ohm or less
1 - 5 V	1 K ohm or more	0.1 Ohm or less
0 - 10 V	10 K ohm or more	

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM

