

SC - 204

PROCESS SCANNER

Features

- Long lasting battery backup for memory
- Cold junction compensation for TC input
- Parallel printer port
- Software calibration
- PC communication supporting MODBUS RTU protocol
- 8 Channel Universal Input
- Individual alarm output for each channel
- 2 digit LED display for channel number,
4 digit LED display for process,
5 digit LED display for engineering unit



Description

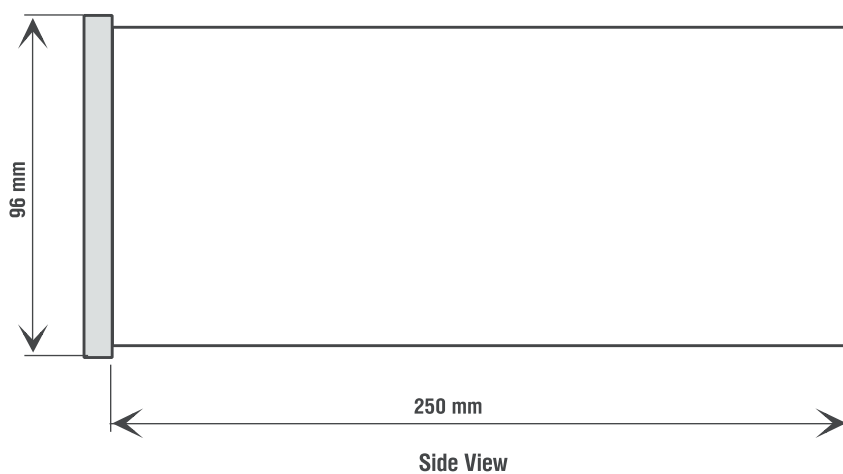
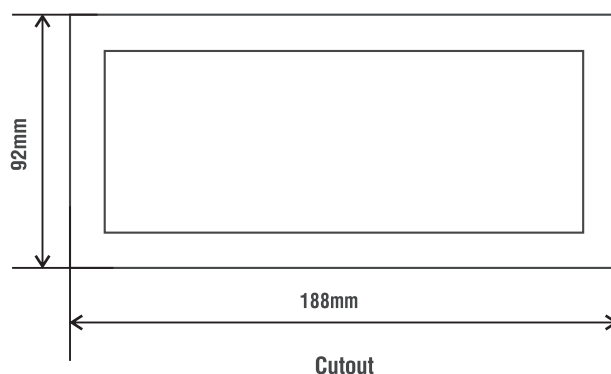
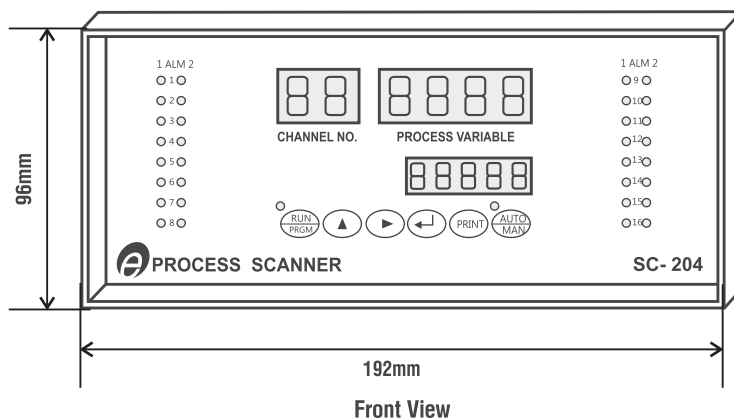
Electronet series SC-204 is unique micro-controller based 8 channel dedicated/universal input process scanner. It is in most miniature size with multiple features. SC-204 can accept the input like RTD, Thermocouple, mA, Voltage, mV and display its processed value with optional alarm settings and communication port. All operating parameters are programmable through front membrane keypad. Individual LED display available for channel number, process value & engineering unit.

Technical Specifications

No. of Input	8 Nos.
Input	1) Dedicated
	a) RTD (PT-100 / PT-200) 2 or 3 Wire b) Thermocouple (J / K / R / S/E/B/T Types)
	c) mA (4-20 mA / 0-20 mA) d) Voltage (0-5 V / 1-5 V/0-100mV DC)
	2) Universal (8 Channel)
Display	4 Digit, 0.5" Red LED for Process Value, 2 Digit, 0.5" Red LED for Channel Number & 5 Digit, 0.3" Red LED for Engineering Unit
Range	1) Programmable : -999 to +9999 for mA & Voltage 2) Fixed : for all types of RTD & Thermocouple
Display Scan Time	Programmable from 1 to 99 seconds
Power Supply	90 – 250 V AC, 50 Hz
Power Consumption	< 10 VA
Accuracy	1) For R, S Type Thermocouple, better than $\pm 0.5\%$ of F. S. 2) For rest inputs, better than $\pm 0.1\%$ of F. S.
Open Sensor Indication	'OPEN' on Display for RTD & Thermocouple input
Temperature Drift	< 0.01% of F. S. per °C change
Response Time	< 200 mSec per channel
Enclosure	1) DIN STD.
	2) Weatherproof, IP-65
Dimensions	96 (H) x 192 (W) x 250 (D) in mm approx. for DIN STD. Enclosure
Mounting	Flush of the Panel for DIN STD & Wall mount for WP / FLP Enclosure
Weight	4 kg (Approx.)
Operating Conditions	Temperature -20 to 55 °C / Humidity 5 to 95% non condensing

OPTIONAL	
Individual Alarm Output	Potential free Relay Contacts for High & Low (1 c/o, 1 Amp. @ 230 V AC) Per Channel
Common Alarm Output	Potential free Relay contacts – for high & low (1 c/o, 1 Amp @ 230 V AC)
Communication Port	RS 232 / RS 485 supporting MODBUS RTU Protocol
Printer Port	80 column parallel
(In case of optional features, enclosure size may change)	

Dimensional Details



Ordering Information

Sample Order Code : 29C-52N-53B-61C

Parameter		Code	Value
29	Electronics Enclosure	29A	DIN
		29B	Weather Proof
		29C	Flame Proof
52	Alarm Output	52J	Common High / Low
		52N	1 Alarm Per Channel
		52O	2 Alarm Per Channel
		52Y	None
53	Communication Output 1	53A	RS 485
		53B	RS 232
		53G	Parallel Printer
		53Y	None

Parameter		Code	Value
61	Input 1 to 16	61A	4 to 20mA
		61B	0 to 5V
		61C	RTD
		61D	Thermocouple
		61E	Voltage
		61F	* Universal 8 Channel
		61X	Other

Note :

▪ Due to our continuous product revisions, design specification and model numbers are subject to change without notice.

▪ Accuracy defined at Lab Conditions.

▪ For other requirement please consult factory.

* For Universal Input: Maximum No. of Channels are 8.

Applications

Food Industry	Chemical Industry	Atomic Energy	Manufacturing Industry
Automation Industry	Thermal Power Energy	Process Industry	Water Treatment Industry

ELECTRONET EQUIPMENTS PVT. LTD.

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