



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 / 16 Channel Dedicated 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

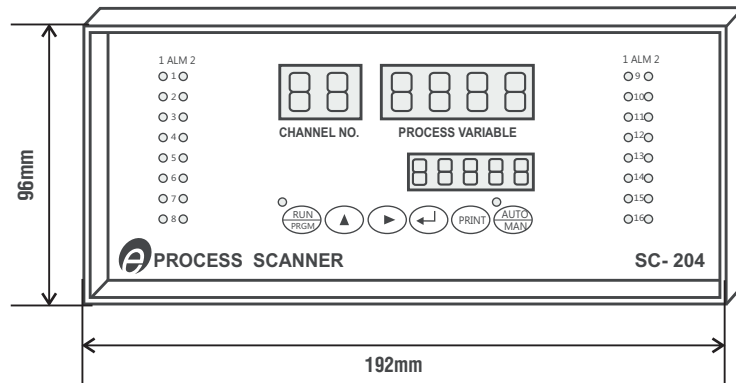
Electronet series SC-204 is unique micro-controller based 16 channel dedicated / 8 Channel universal input process scanner. It is in most miniature size with multiple features. SC-204 can accept the inputs like RTD, Thermocouple, mA, Voltage, mV and display its processed value with optional alarm settings 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

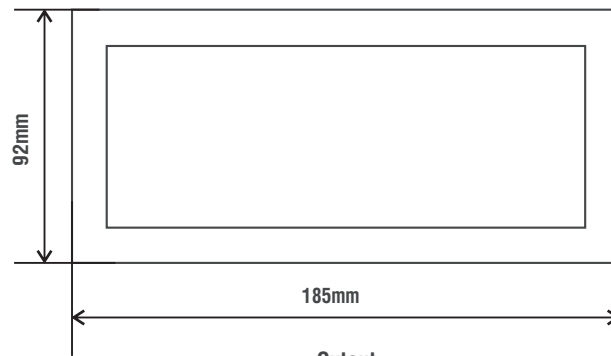
No. of Inputs	16 Nos.
Input	1) Dedicated (16 Channel) a) RTD (PT-100 / PT-200) 2 or 3 Wire b) Thermocouple (J / K / R / S/E/B/T Types) c) mA (4-20 mA / 0-20 mA) d) Voltage (0-5 V / 1-5 V/0-100mV DC) 2) Universal (8 Channel)
Display	LED Display for Process Value, Channel Number & Engineering Unit
Range	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 – 250V 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
Electronics Enclosure	1) DIN STD. 2) Weatherproof, IP-65 3) Flameproof (CMRI IIA IIB Certified)
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.)
Ambient Temperature	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. @ 230V AC) Per Channel
Common Alarm Output	Potential free Relay contacts – for high & low (1 c/o, 1 Amp @ 230V AC)
Communication Port	RS485 supporting MODBUS RTU Protocol
Printer Port	80 column parallel
(In case of optional features, enclosure size may change)	

Dimensional Details



Front View



Cutout



Side View

Ordering Information

Sample Order Code :

A1	C1	I11	K1	L4
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Parameter	Code	Value	Parameter	Code	Value		
A	Electronics Enclosure	A1	DIN Standard	K	Communication Output 1	K1	RS485 (MODBUS RTU)
		A2	Weather Proof IP 65			KX	NA
		A3	Flameproof (CMRI IIA IIB Certified)				
C	Power Supply	C1	90 to 250 VAC	L	Input 1 to 16	L1	4 to 20mA
		C2	24V DC			L2	0 to 5V
						L3	RTD
I	Relay or Alarm Output	I9	Common High / Low			L4	Thermocouple
		I11	1 Alarm Per Channel			L5	Voltage
		I12	2 Alarms Per Channel			L6	* Universal 8 Channel
		IX	NA	LY	Other		
<p>Note :</p> <ul style="list-style-type: none"> ▪ 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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