



## SALIENT FEATURES

- Universal input selectability by user on field.
- User friendly calibration through front keypad.
- Individual alarm outputs for each channel one high/low with programmable hysteresis.
- Long lasting battery backup for memory.
- Cold junction compensation for TC input.
- PC Communication (MODBUS RTU protocol).
- Parallel Printer Port.



## DESCRIPTION

The new series of SC-204 from ELECTRONET is unique micro-controller based universal input process scanner is in most miniature size with multiple features. SC-204 is a blend of flexibility and versatility. Which can accept the universal input and display its processed value with optional alarm settings and communication port. All operating parameters are programmable through front membrane keypad.

## TECHNICAL SPECIFICATIONS

No of Channels	: Min. 8 Nos. - Max. 16 Nos.
Input	: Universal ( RTD, Thermocouple, Current, Voltage )
Display	: 4 Digit, 0.5", 7 Segment Red LED for Process Variable & 2 Digit, for Channel Number.
Range	: Programmable from (-) 9999 to (+) 9999 from front keypad
Alarm Output	: Potential free Relay contacts - 1 c/o, 1 Amp @ 230 V AC for High & Low
Accuracy	: Better than $\pm 0.25\%$ F.S., $\pm 1$ digit
Retransmission Output	: 4 - 20 mA DC, Isolated for each channel
Communication Port	: RS 485 / RS 232 with MODBUS RTU Protocol
Printer Port	: 80 Column Parallel Printer output
Temperature Drift	: Less than 0.01% of F.S. per $^{\circ}\text{C}$ change
Transmitter Supply	: 24 V DC, 30 mA
Mains Supply	: 230 / 110 / 24 V AC, 50 Hz single phase $\pm 10\%$
Power Consumption	: 10 Watts max
Display Scan Time	: Programmable from 1 to 99 seconds
Enclosure	: Sheet steel, powder coated
Dimensions	: 1) 96 (H) x 192 (W) x 300 mm (D) max. 2) 192 x 192 x 300 mm (D) max. (For built-in Individual Alarm Or Retransmission Output)
Mounting	: Flush of the Panel
Weight	: 6Kg. (Approx.)
Operating Temperature	: 0 - 55 $^{\circ}\text{C}$
Humidity	: 10 to 90% non condensing

# CODIFICATION FOR SC 204

CODE INPUT (UNIVERSAL)  
 01 : RTD Pt 100  
 02 : Thermocouple,(J,K,R,S,B,T,E )  
 03 : 4 - 20 mA / 0 - 20 mA  
 04 : 0 - 5 VDC / 0 - 10 VDC

CODE NUMBER OF CHANNELS  
 01 : 08 NOS.  
 02 : 16 NOS.

CODE PARALLEL PRINTER OUTPUT  
 01 : NONE  
 02 : REQUIRED

CODE ALARM OUTPUT  
 01 : NONE  
 02 : INDIVIDUAL HIGH  
 02 : INDIVIDUAL LOW  
 03 : INDIVIDUAL HIGH & LOW

CODE RETRANSMISSION OUTPUT  
 00 : NONE  
 01 : 4 TO 20 MA DC ISOLATED  
 02 : OTHER (PL. SPECIFY)

CODE COMMUNICATION PORT  
 00 : NONE  
 01 : RS 232  
 02 : RS 485

SC 204

01

02

01

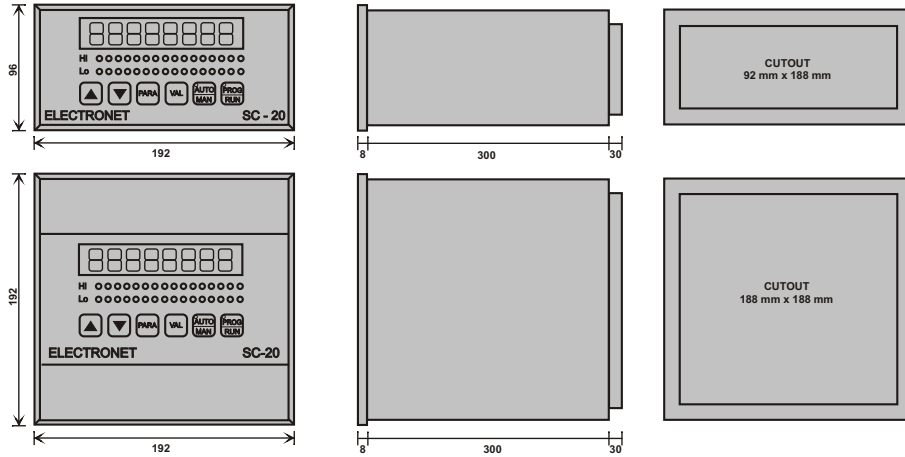
03

02

02

SAMPLE MODEL NUMBER

## MOUNTING DETAILS



Due to our continuous product revisions, Design, Specifications and Model Numbers are subject to change without notice.

MANUFACTURED & MARKETING BY

**ELECTRONET EQUIPMENTS PVT. LTD**  
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