



16 CHANNEL SCANNER

MS-5716R

APPLICATIONS

Motor Protection

**Generator
Monitoring & Protection**

Electrical Sub-station monitoring

Metal and Mining applications

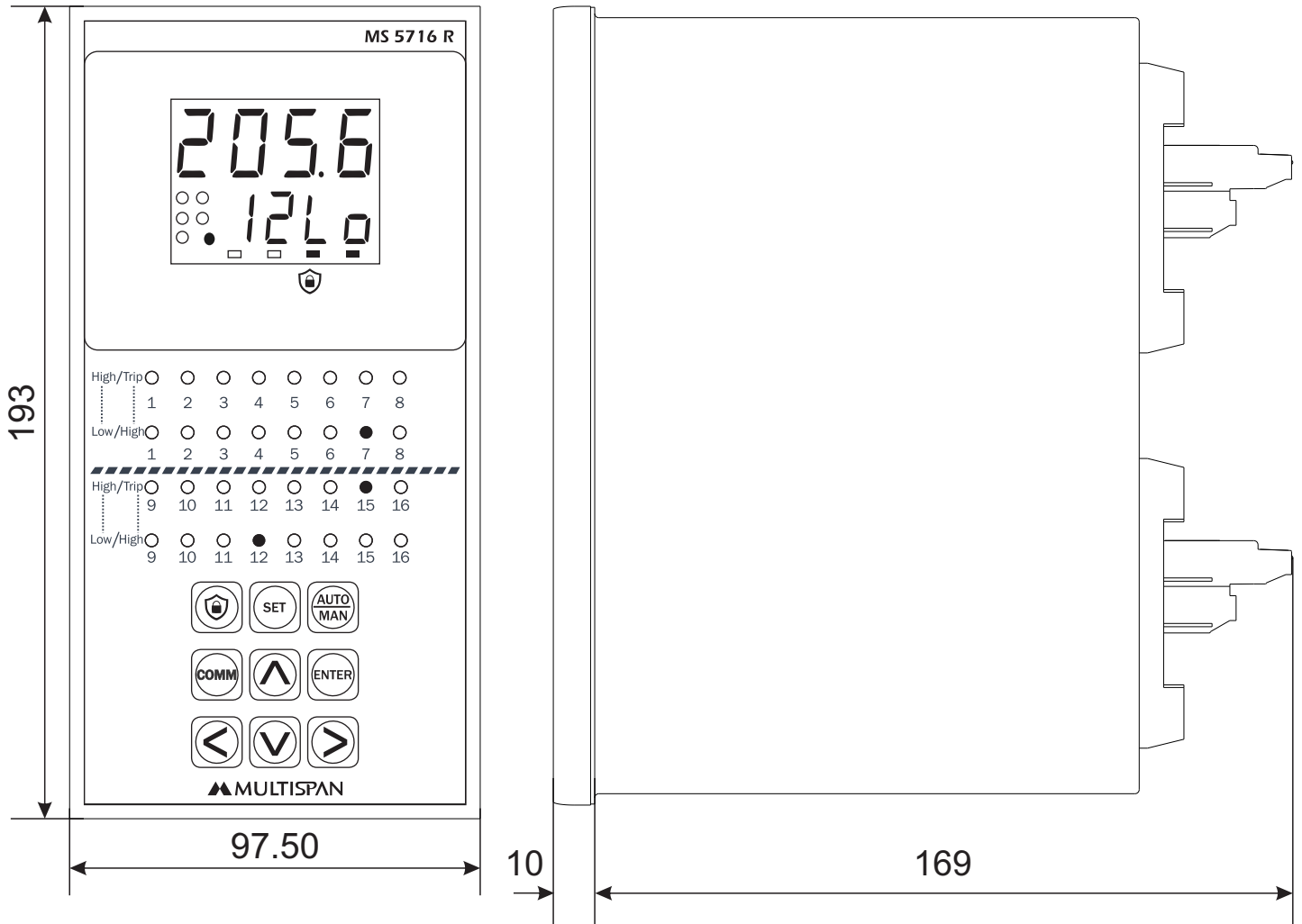
Machine Condition Monitoring

Gas Detection

Laboratory Equipment Monitoring

Mechanical Dimensions

Body Dimensions



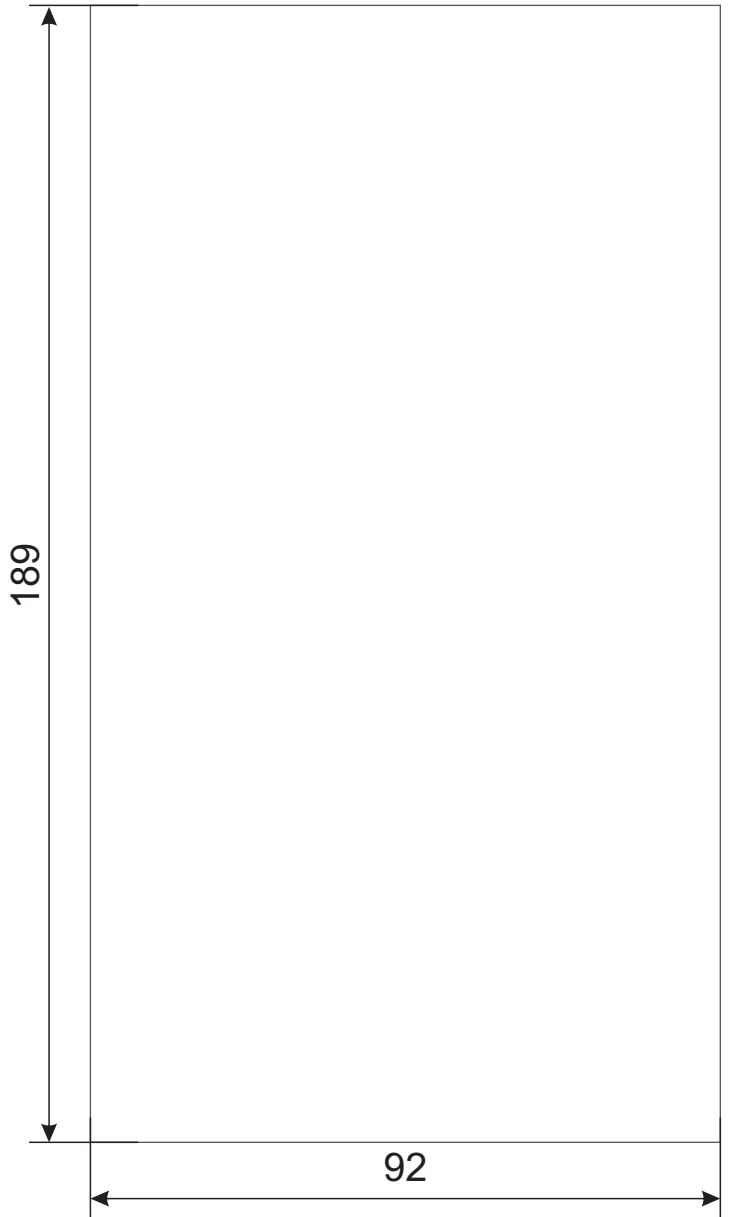
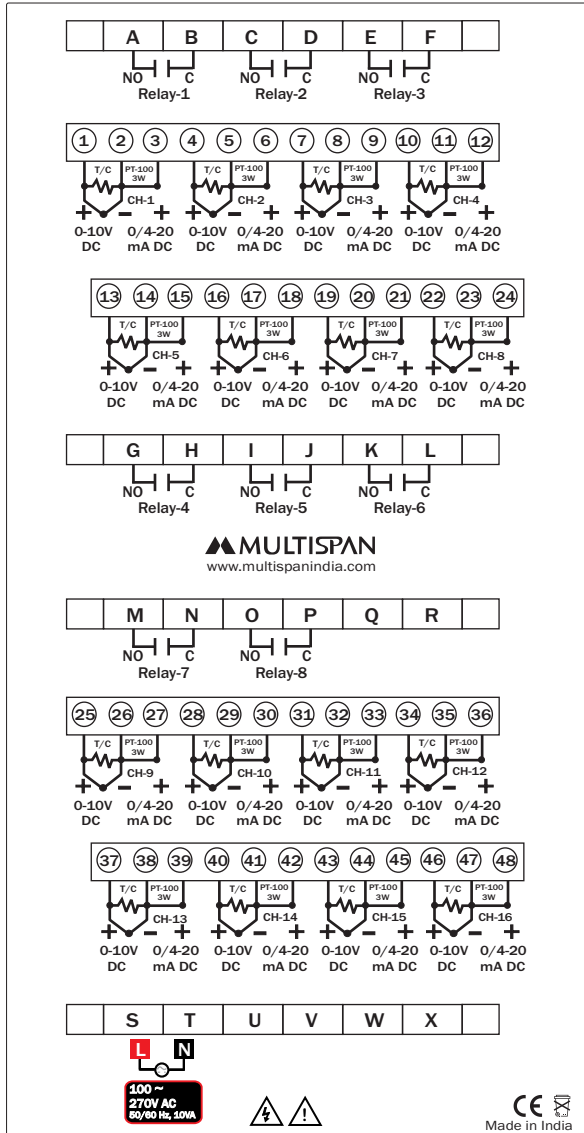
FRONT VIEW

All dimensions are in mm


RIGHT SIDE VIEW

Connection Diagram

Panel Cutout



TECHNICAL DATA

Input	Thermocouple	J / K
	RTD	PT-100 2 Wire / 3 Wire / Pt.1 (Configurable)
	Analog	0-10V DC/ 0-20mA DC/ 4-20mA DC (Configurable)
Range	Thermocouple	J: 0 to 600° C, K: 0 to 1200° C
	RTD	PT-100: -99° C to 400° C , PT.1: -99.0° C to 400.0° C
	Analog	-999 to 9999
Output		8 Relay
Power Supply		100 to 270V AC (SMPS) ,50/60Hz, Approx 10VA
Accuracy		+ 1% FSD
Certification		

Input	
ADC Resolution	12 Bit
Display Resolution	Thermocouple : 1° C RTD : 1° C / 0.1° C
Sampling Rate	250 mS / Channel

Relay Output	
No of Relay	8
Type	1 C/O (NO-C) Contact
Rating	5VA @ 230V AC / 30V DC

Input Range	
Input Type	Range
J	0 to 600° C
K	0 to 1200° C
PT-100	-99 to 400° C
PT.1	-99.0 to 400.0° C
4-20 mA DC	-999 to 9999
0-20 mA DC	-999 to 9999
0-10 V DC	-999 to 9999

Display , LED & Keys	
Process Value	0.70" 4 Digit Red LED
Channel No. and Relay Status	0.50" 4 Digit Green LED
9 controlling keys for configuration , operation and Controlling	

Power Supply	
Standard	100 - 270V AC @ 50/60Hz
Optional	24V DC
Consumption	10VA

Accuracy	
J , K , PT-100 , PT.1	± 1 % FSD for J, K ± 0.5% for PT-100 , PT.1
CJC error	±2° C
Sensor Open	J , K ,PT-100 , PT.1
T/C Burnout current	1.10uA
RTD excitation current	0.2mA
CMRR	> 120 db (Typical)
Input Impedance	> 1 M Ω
Max Voltage	20V DC

Environmental Characteristics

Working Temperature	0 to 55 °C
Storage Temperature	0 to 55 °C
Relative Humidity	95% RH Non-condensing
Ingress Protection	IP 65 (Front Side)

Mechanical Characteristics

Mounting Type	Panel Mount
Dimension (HxWxD) mm	193 x 97.5 x 169
Panel Cutout (HxW) mm	189 x 92
Material	Enclosure Front
	Mild Steel (Powder coated) ABS
Terminal Screw Size	M3.5
Screw Torque (N.m)	1
Wire Gauge (AWG)	26-14
Weight (Approx) gms	Unpacked : 1100 Packed : 1400
Accessories	1 Pair of Clamps