

MULTISPAN



User Manual

MS-5716



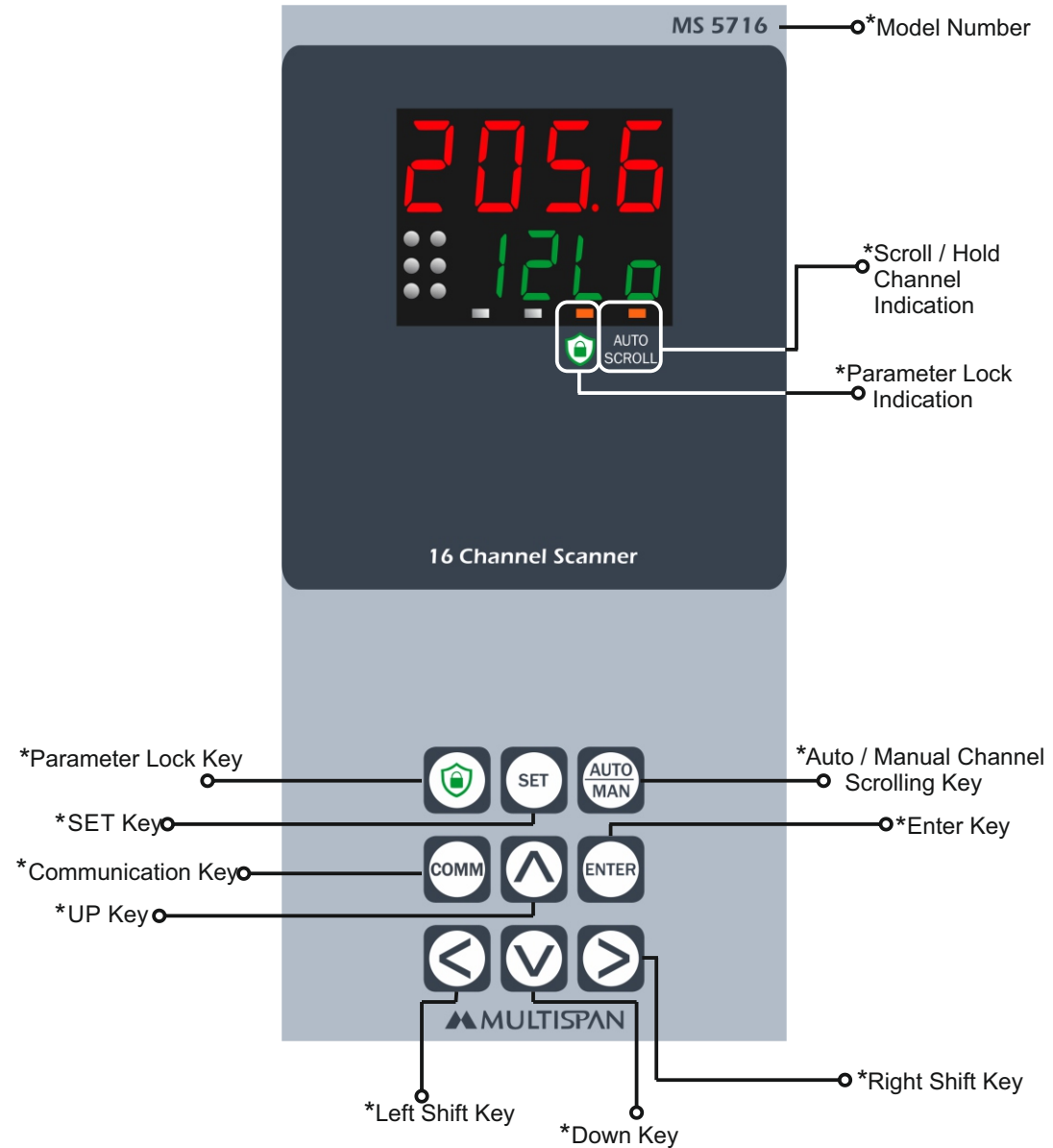
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Product Inception



Technical Specification

INPUT:

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

DISPLAY & LED:

Display	Upper: 4 Digit,7 seg,0.70", RED LED Display Lower: 4 Digit,7 seg,0.50", GREEN LED Display
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DIMENSION:

Size	193 (H) x 97.5 (W) x 169 (D) mm
Panel Cutout	189 (H) x 92 (W) mm

AUXILIARY SUPPLY:







Supply voltage	100V To 270V AC,50/60 Hz,
Power consumption (VA RATING)	Approximately 4VA

ENVIRONMENT CONDITION:

Operating Temp.	0 °C to 55 °C
Relative Humidity	UP to 95% RH (non-condensing)

Procedure

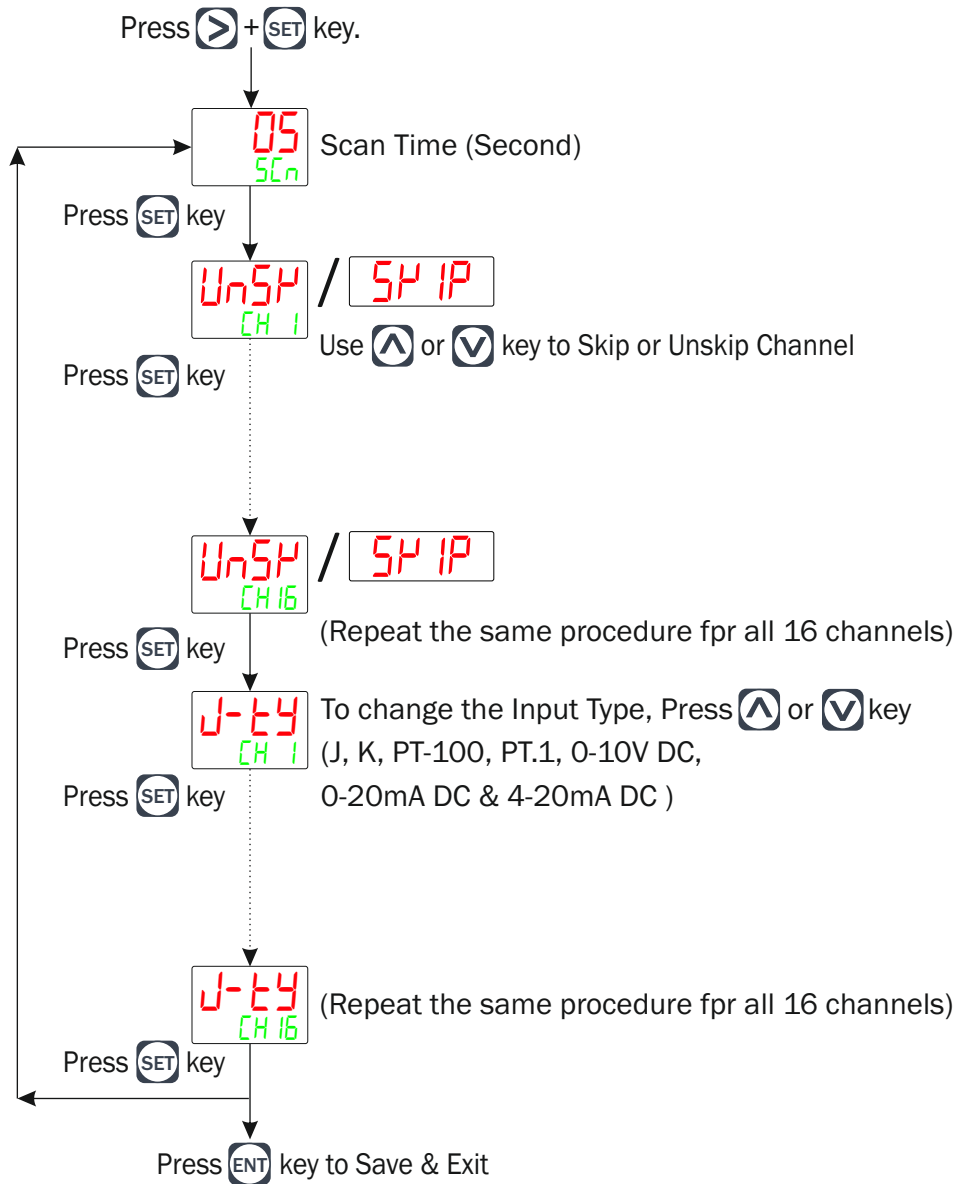
- 1) Do all connections as per the wiring diagram.
To Configure: 1. Input Selection (J, K, PT-100, PT.1, 0 - 10V DC, 0 - 20mA DC & 4 - 20mA DC).
- 2. Analog range selection .
- 3. Offset and Correction factor selection.
- 4. Communications parameter.

- 2) To add offset & correction factor, press  +  keys together.
 - Set offset for each channel if required.
 - Off set range will be ± 25 °C for J, K, PT-100 temperature input.
 - Off set range will be ± 25.0 °C for PT.1 temperature input.
 - Offset range will be -999 to 999 for analog input.
 - Correction factor range will be -999 to 999 only for analog input.
- 3) Press  key for automatic scrolling or manual scrolling.
- 4) In Hold mode use  &  key to select next channel.
- 5) If  key is pressed then, user will only be able to view all the parameters values ,but would not be able to change any of the parameters.

Parameters

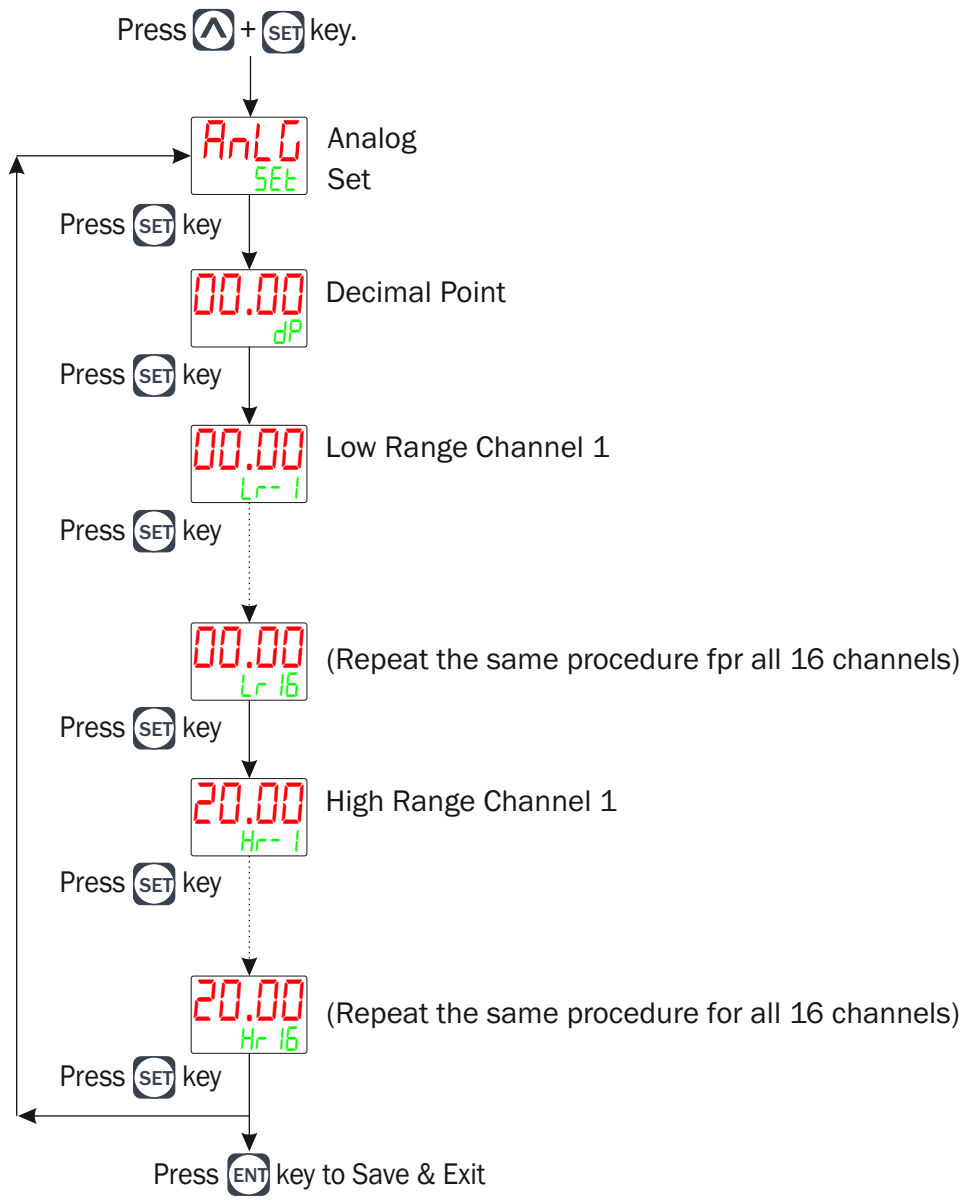
Note :- Values can be changed by pressing **▲** or **▼** keys.

Input Selection



Analog Range Selection

Note :- Values can be changed by pressing **▲** or **▼** keys.

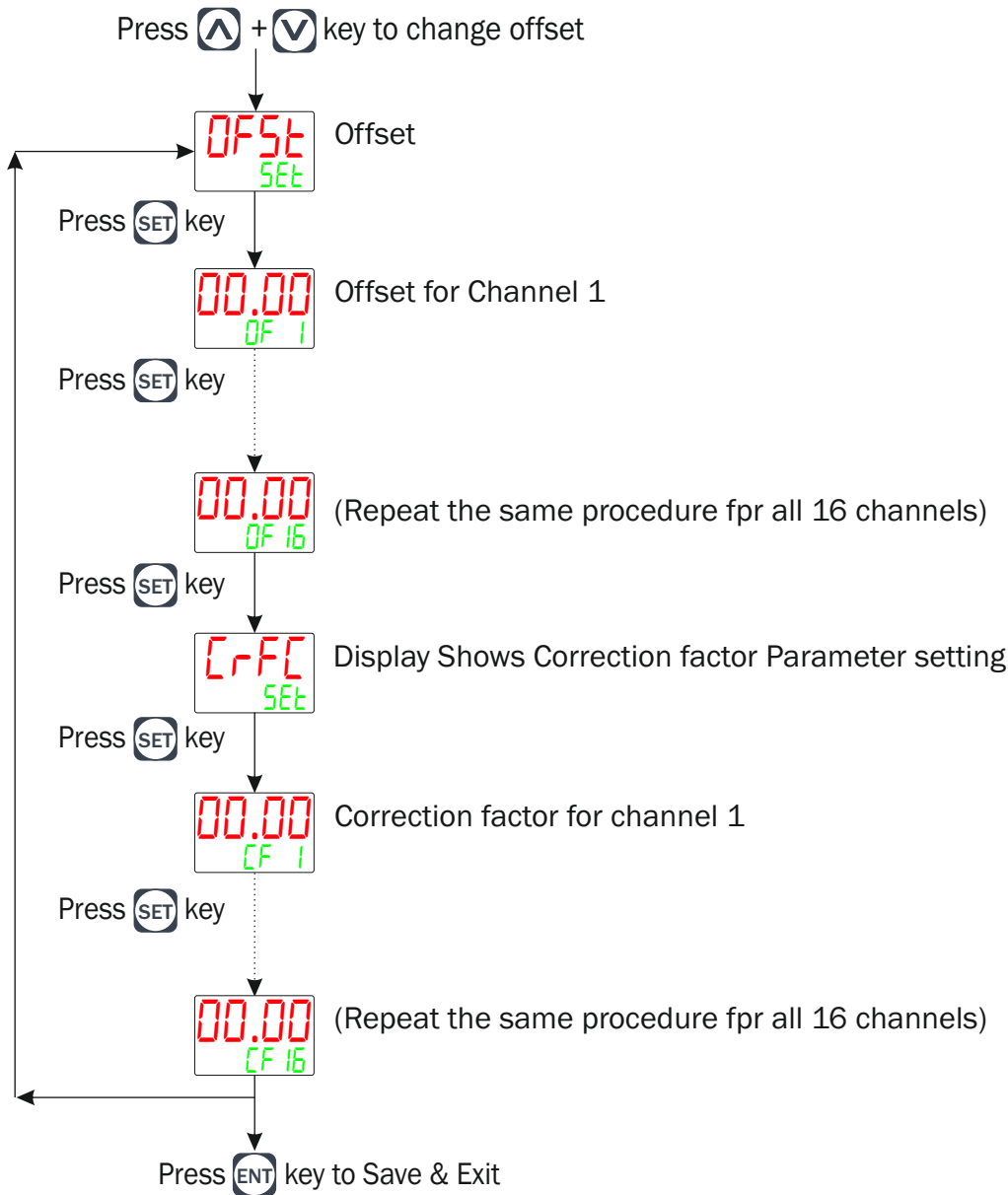


Note :- DP (Decimal Point) is Common for all channels. Position can be changed by Pressing **▲** or **▼** keys.

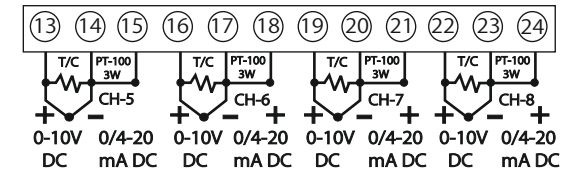
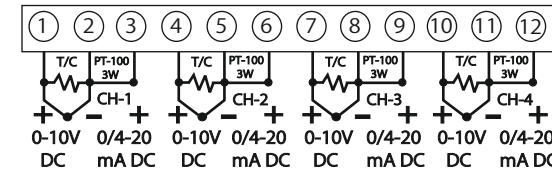
Note :- Values can be changed by pressing \wedge or \vee keys.

Terminal Diagram

Offset and Correction factor Selection



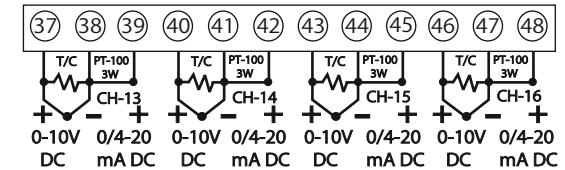
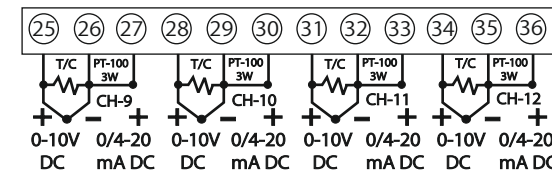
	A	B	C	D	E	F	
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	G	H	I	J	K	L	
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	M	N	O	P	Q	R	
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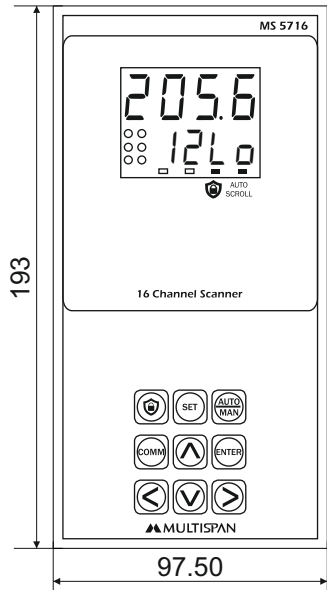


	S	T	U	V	W	X	
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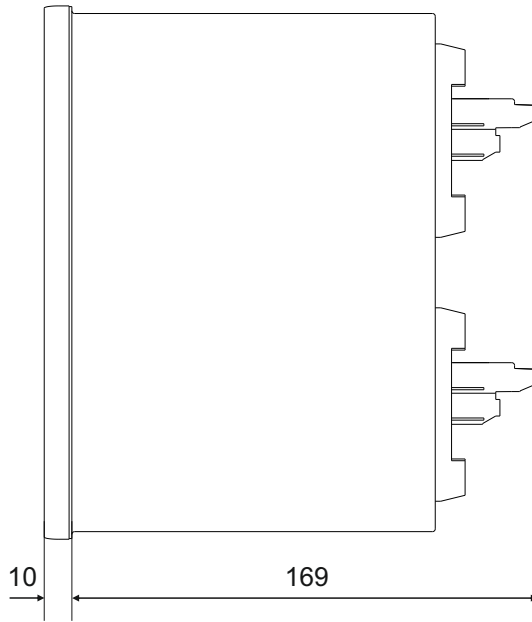


CE
Made in India

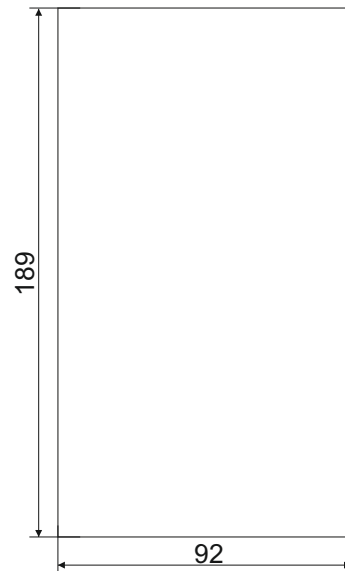
Mechanical Dimensions



FRONT VIEW



RIGHT SIDE VIEW



PANEL CUTOUT

Mechanical Installation Guideline

- 1) Prepare the panel cutout with proper dimensions as shown above.
- 2) Fit the unit into the panel with the help of clamp given.
- 3) The equipment in its installed state must not come in close proximity to any heating source, caustic vapors, oil steam, or other unwanted process byproducts.
- 4) Use the specified size of crimp terminal (M3.5 screws) to wire the terminal block. Tightening the screws on the terminal block using the tightening torque of the range of 1.2 N.m.
- 5) Do not connect anything to unused terminals.

Safety Precaution

Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and completely for correct use. Failure to follow the safety rules can cause fire, trouble, electrical shock, etc. Therefore, make sure to operate the instrument on a correct power supply and voltage rating marked on each instrument.

If all the equipment is not handled in a manner specified by the manufacturer, it might impair the protection provided by the equipment.



Read complete instructions prior to installation and operation of the unit.



WARNING : Risk of electric shock.

Warning Guidelines



WARNING : Risk of electric shock.

- 1) To prevent the risk of electric shock, power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.
- 2) To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
- 3) Cable used for connection to power source, must have a cross section of 1mm or greater. These wires should have insulations capacity made of at least 1.5kV.
- 4) A better anti-noise effect can be expected by using standard power supply cable for the instrument.

Installation Guidelines

- 1) Do not allow pieces of metal, wire clippings, or fine metallic fillings from installation to enter the product or else it may lead to a safety hazard that may in turn endanger life or cause electrical shock to the operator.
- 2) Circuit breaker or mains switch must be installed between power source and supply terminal to facilitate power 'ON' or 'OFF' function. However this mains switch or circuit breaker must be installed at convenient place normally accessible to the operator.
- 3) Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

Note :

Maintenance

- 1) The equipment should be cleaned regularly to avoid blockage of ventilating parts.
- 2) Clean the equipment with a clean soft cloth. Do not use isopropyl alcohol or any other cleaning agent.
- 3) Fusible resistor must not be replaced by operator.