

# Multi-Channel Process Monitor Alarm Supervisor MESTEC-700S



## FEATURES:

- Up to 10 Current (DC mA) input channels.
- Two set-points per channel
- Up to a total of 20 set-points.
- Alarm log function.
- Alarm search function.
- Value log at first alarm trip.
- Weather proof, IP55 enclosure.
- Scrolling channel display.

The MESTEC-700 is a multi-channel process monitor/alarm, displaying up to 10 T/C, mV or mA inputs or up to 6 channels of RTD inputs. Each channel may be assigned up to 2 set-points for a total of 20 set-points. Alarm conditions are indicated via dual color LEDs. In addition, 2 dry contact relay outputs are provided to facilitate trip and control functions.

The set-points values for each input are entered via the front panel keyboard. The 6-digits display indicates both the number of the channel which is being scanned and its temperature value.

The MESTEC-700 is housed in a weather-proof enclosure which is very suitable for a variety of industrial environments. The MESTEC-700 can be used in any application that requires multi input monitoring such as bearing temperature monitoring in motors & generators, HVAC services, level monitoring and any industrial application with 4-20 mA signal source.

The MESTEC-700 provides channel-search and alarm event logging facilities of up to 8 events, to help the operator to track past events and display all channels programming and alarm data.

The 700 also has available serial communications option, consult factory for more information.



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# Multi-Channel Process Monitor Alarm Supervisor MESTEC-700S

## SPECIFICATIONS:

### MODELS

700-T1	RTDs	Pt-100, Cu-10, Pt-1000 (3-wire)
700-T2	Thermocouples	B, C, E, J, K, R, S, T
700-T3	DC-mV	-10mV to 100 mV
700-T4	DC mA	4-20 mA (displays 0-100% only)

### DISPLAY

Display Range	-999 to 9999
Decimal point	xx.xx (for mV input only) xxxx for temperature input
Display Scan Rate	2 seconds per channel
Display Type	0.56" high, red LED, 7-segment

### GENERAL

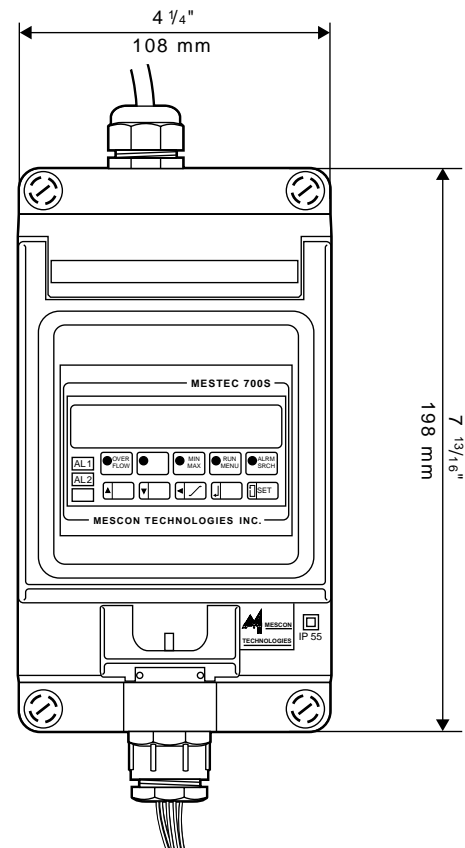
Isolation (power/input)	2000 VDC or peak AC
Dimensions	H: 8.7/220x W: 4.1/105 xD: 4.5/115 Inches/mm
Protection (housing)	IP55
Linearity	0.05% on full input span
Power Supply	115 VAC or 230 VAC 50/60Hz
Input Damping	Programmable, 1 to 25 input cycles
Internal Scan Rate	10 channels /2 Seconds

### SET POINT FEATURES

Number	2 per channel, 20 total
Response Time	2 seconds max. for alarm on/off
Indications	3 red/green status LEDs
Relay Outputs	2 SPDT, 60VA rating
Hysteresis	Programmable, 1-100 L.S. digits
Modes	Independently assigned High or Low

### PROGRAMMING

Front Panel	5 button panel keyboard
Procedure	Prompting display messages
Modes	User, Operator, Service



For wiring information refer to the instruction manual.

## ORDERING INFORMATION

Model 700S - T - (X) - 12 - 0

Input Types:

- 1 = RTD
- 2 = Thermocouples
- 3 = DC-mV
- 4 = DC-mA

Communication:  
consult factory

for 12 channel  
TC only

*All specifications are subject to change without notice.*

**Please request our ordering and calibration diskette describing the rest of Mescon's products.**



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