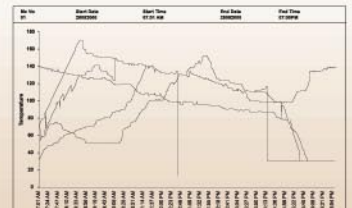
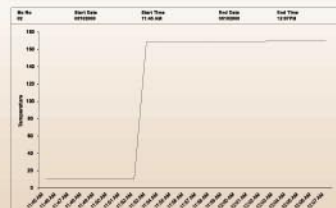
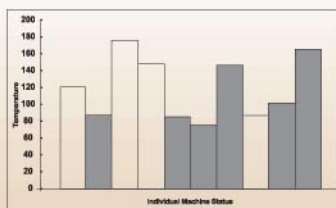




SEMITRONIK

RANGE OF TEMPERATURE INDICATORS AND CONTROLLERS



RANGE OF TEMPERATURE INDICATORS AND CONTROLLERS

STANDARD FEATURES

- **Digital display**
0.5" size.
- **Range**
0-300°C or as per requirement upto 1200°C.
- **Operating voltage**
220V \pm 10% 50 c/s. or 60 c/s (optional).
- **Temperature sensing element**
Platinum resistance bulb/ thermocouple housed in a S.S. capillary having length and diameter as per requirement :
- Standard diameter : 10 mm.
- Standard length : 300 mm.
- Sturdy flash type mounting cabinet.
- Single chip micro-controller.
- Keyboard for setting set-point.
- Open sensor protection.
- Battery back-up provided to store process parameters, in memory in case of power failure.
- **Platinum resistance or thermocouple temperature sensor**
Available in different dimensions, suitable for different applications.
- Switch for auto/manual operation.
- Led indication for auto/ manual operation & relay status.
- **Control:**
- With on/off or time proportionate or pid characteristic.
- **Control output**
- Relay with set of change over contacts rated - 2 Amp non inductive load.
- Two set of relays for proportionate control characteristic.
- 4-20 mA output.
- 0-10 volts output.
- The special solenoid valve available for proportionate opening and closing of pneumatically operated diaphragm controlled valve for pressure variation from 0 - 20 PSI to have proportionate control action without need to P convertor.
- System also available, housed in sturdy cabinet with number of units assembled with solenoid valves, air filter, regulator, pressure gauge etc.

TEMPERATURE INDICATOR

MODEL T:-101

Dimensions :

W 72 x H 72 x D 120 mm.

TEMPERATURE INDICATOR AND CONTROLLER

MODEL T:C-101

(ON/OFF TYPE)

Dimensions :

W 96 x H 96 x D 160 mm.

- Unit is available with two / three set-points for controlling temperature within required range.

TEMPERATURE INDICATOR AND CONTROLLER

MODEL T:C-105

WITH PROPORTIONATE ACTION

Dimensions :

W 96 x H 96 x D 200 mm.

○ LED indications

For temperature level indication i.e.

1. Above.

2. Below.

○ Push buttons

For manual operation of control valve.

BLIND TEMPERATURE CONTROLLER

MODEL TC/100

Dimensions :

W 96 x H 96 x D 100 mm

- Setting of temperature and control accuracy :
By keyboard.
- Control action :
By relay output on/off type.

TWO SET POINT TEMPERATURE INDICATOR / CONTROLLER

MODEL T:C-103

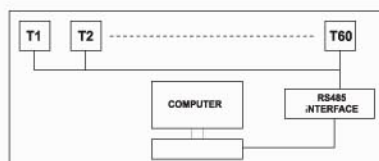
(PUSH TO SET TYPE)

Dimensions :

W 96 x H 96 x D 160 mm

- Setting of temperature and control accuracy can be set by keyboard.
- LED indicators for on/off status.
- Control action :
By relay output - on/off type.

FOR CONNECTION TWO PAIR TWISTED TELEPHONE CABLE TO BE USED.



MULTI-CHANNEL TEMPERATURE INDICATOR / CONTROLLER

MT:C-101

- Number of channels with controls ... 8/32
- Digital display : 0.3"
- Control actions :
a) On/off or
b) Time proportionating or
c) Control with dead band setting.
- Range : 0-250°C or as per requirement.
- Sensor : PT-100 / thermocouple.
- Open sensor protection provided.
- Battery back-up of set-point data storage, in case of power failure.

ADDITIONAL OPTIONS

- Serial communication RS 486.
- Interface for remote programming and data collection with Semitronik software package.

TEMPERATURE SCANNER

MODEL TS-101

Dimensions :

W 96 x H x D 120 mm.

TEMPERATURE INDICATOR AND CONTROLLER SUITABLE FOR GAS BASED DIRECT FIRING SYSTEM WITH UV SENSOR

GAS BURNER SEQUENCE CONTROLLER

Dimensions :

W 96 x H 96 x D 108 mm.

- Useful to control sequence of any make gas burner.
- Single chip micro controller based system.
- Front LED indication for all inputs & outputs status.
- Control for the blower, ignition, low & high gas control valve.
- Continuous check for air pressure & status of flame.
- Solid state relay o/p (3 amp.).

NOTE :

ALSO AVAILABLE

- TRANSMITTER FOR 4-20 MA INPUT AND OUTPUT SUITABLE FOR TWO WIRE CABLE CONNECTION.
- NON CONTACT TYPE TEMPERATURE INDICATOR / CONTROLLERS AVAILABLE WITH INFRARED SENSOR TO MEET ANY SPECIFIC REQUIREMENT.

For further details, contact