

# STEK GPCM Multifunctional Controller



## Features

- Digital Input from STEK Radiation Pyrometer gives Immediate Response
- Programmable Analog Range (-1999 to 9999)
- Excitation Voltage : 24 VDC
- Two Independent Alarm Outputs with Hi and LO alarm configurable and alarm deactivation possible
- PEAK Hold of reading with settable time period 1 to 999 seconds
- CALIBRATION Offset possible
- 4-20 or 0-20mA (selectable) Retransmission
- Program Lock function
- User Calibration Available for Analog Inputs
- Universal supply voltage (90 to 270 VAC)
- 24 VDC Available on Request

## Inputs

- Sensor Input : Thermocouple - J, K, R, S, N, T, B , RTD - Pt-100
- Analog Input : 0-1 VDC, 0-3.3 VDC, 0-5 VDC 0-10 VDC, 0-20 mA, 4-20 mA
- Resolution : 1 / 0.1 / 0.01 / 0.001
- Accuracy : .3% FS
- Sampling Rate : 250msec

## Auxillary Supply

- Supply Voltage : 90 - 270 VAC ( Model: GPCM)
- Supply Voltage : 24V DC ( Model: GPCM-DC)

## Functional Parameters

- Analog Input Logic : Direct / Reverse
- Process Value Offset : -25 to 25 ( for Calibration)
- Input Filter : 1 to 10 ( for response time)
- OP1 & OP2 Function : Alarm
- Alarm Modes : Low / High / Band

## Display

- Digits : 4 Digits Single Row
- 7 Segment LED Display, Led Height: 0.56 inch
- LED Indication : AL1 - Alarm 1 Status  
AL2 - Alarm 2 Status

## Ambient Operating Conditions

- Temperature : Operating - 0 to 50°C Storage: -20° to 75°C
- Humidity : 95% RH (Non-condensing)

## Outputs

- Output 1 : Relay (5A @ 250VAC / 30VDC)
- Output 2 : Relay (5A @ 250VAC / 30VDC)
- Retransmission : 0-20 or 4-20mA Selectable ( 500Ω)
- DC Power : 24V DC 100mA

## Dimensions & Terminals

Height: 48mm X Width: 96mm X Depth: 53mm

