

DATA SHEET

Process Controller Model PC 300 Series

INTRODUCTION

SBK Instru's Process Controller accepts inputs from RTD, Thermocouple, mV, mA, and thus covers most of the Sensors and transmitters. This instrument can be used for various applications covering process parameters like temperature, pressure, pH, level, flow, speed etc. Our study for Process requirements enabled us to provide various optional features such as, Cascade, Retransmission out put Transmitter Powering, Time Proportional action etc. You can select following options depending on your application and requirement



PC - 301



PC - 302



PC - 304

FEATURES

- Customer friendly.
- Wide acceptance for various inputs.
- Time Proportional Control action.
- Retransmission Out put.
- Transmitter Powering facility.
- Cascade / Remote Set Point.
- Capability for any non-std. requirement

TECHNICAL SPECIFICATIONS

Type	Model	Overall Size in mm H*W*D	Cut out in mm H*W	Optional Features
1	PC 301	72*72*110	68*68	a) One / Two Set b) T.P.Control Action
2	PC 302	96*96*125	92*92	a) One / Two / Four set b) Retransmission Out put c) T.P. Control Action d) Transmitter Power Supply e) Cascade / Remote Set f) Relay / SSR Out put
3	PC 304	48*48*100	46*46	a) One Set only b) T.P.Control action
4	PC 306	96*96*125	92*92	4 1/2 digit Indication with all specifications as per PC 302

TECHNICAL SPECIFICATIONS

Indication	3½ digit LED 0.5" Red
Resolution	0.1 or 1 depends on range
I/P & Range	Refer Ordering Code 'C' & 'D'
Sensor Break Protection	Built in Up Scale
Control	Relay / 5 Amp at
Out put	230V AC resistive load
Hysteresis	0.25 - 2.5% Adjustable
Proportional Band	adjustable up to 10% of F.S.
Cycle Time	Adjustable 3-60 Sec.
Retransmission Out put	0/4-20 mA linear to I/P
Power Consumption	5 VA Max
Operating Temp.	0 to 50° C
Relative Humidity	90% RH Max. Non condensing
Effect of Ambient Chg.	0.05% PER ° C Ref. 25 °C
CMRR	>120db
NMRR	>80 db
CMV	500V DC
Size	Refer Ordering Code A
Weight	1 Kg Appro

ORDERING INFORMATION

A) Type

Select with provided chart

B) Supply Voltage

- 01 230V 50 Hz ±10%
- 02 110V 50 Hz ±10
- 03 Other Pl. Specify

C) Input

- 01 Pt100 (RTD)
- 02 Pt100 (RTD)
- 03 Fe-Const (J)
- 04 Cr-Al (K)
- 05 Pt-PtRh 13% or 10%
- 06 0 / 4-20mA
- 07 Others

D) Range

- 200 to 200°C
- 0 to 600°C
- 0 to 600°C
- 0 to 1200°C
- 0 to 1600°C
- Pl. Specify
- Pl. Specify
- Pl. Specify

E) Engineering Unit

F) No. of Set Points

- 01 One
- 02 Two

G) Control Action

- 01 ON-OFF
- 02 ON - OFF with T.P
- 03 Others

H) Retransmission O / P I) Transmitter Power

- 00 Not Required
- 01 0 - 20 mA
- 02 4 - 20 mA
- 03 Others PI Specify
- 00 Not required
- 01 24V DC
- 02 Others PI Specify

J) Cascade

- 00 Not required
- 01 0 / 4 -20mA
- 03 Others

K) Out Put

- 01 ON OFF Relay
- 02 ON - OFF SSR
- 03 Others PI. specify

L) Accuracy

- 01 ± 0.2 % ± 1 digit
- 02 Others PI. Specify

Ordering Code PC 300

A	B	C	D	E	F	G	H	I	J	K	L
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- Due to continuous development specifications are subject to change without notice.

Total Instrumentation under Single Roof



SBK Instrumentation

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