

- 4-digit LED display plus 50-dot bar graph
- Various input signals and nonlinearities
- Programmable ranges and alarms
- Programmable current output
- Digital interface option

DESCRIPTION

BBI600 is a microprocessor-based programmable process indicator with alarm relay outputs. In addition to the digital display, indicating the measured value, it features a 50-dot LED bar graph, showing the input value as percentage of input range. BBI600 indicators accept standard current or voltage signals as well as signals from various thermoresistances (RTDs) and thermocouples. The device software allows programming display range, alarm value and type, and various nonlinear input-to display transformations. In addition to relay alarm outputs, there are optional analog retransmission output and digital interface. The measurement unit on front panel display may be changed. The low price and the rich set of functions make BBI600 widely applicable in industry and especially in power plants.

TECHNICAL SPECIFICATIONS

Construction : Panel design to standard DIN 96 x 96 or 144 x 72mm
Wiring : Screw terminals at rear panel
Housing material : Plastic Black
Isolation : Input to supply
Indication : 50-segment red LED
 4-digit Red LED

INPUT

Thermocouple J : -100-900 °C
K : 0-1200 °C
S : 0-1600 °C
Other thermocouple : -200-2400 °C
RTD Pt-10-1000 : -200.0 – 800.0 °C JIS or DIN
Cu-50 & Cu-100 : -50.0 – 199.9 °C JIS or DIN
Other RTD's : -200-1000 °C
Voltage : 0 – 1, 0-2, 0-5, 0 - 10VDC
Current : 0-20, 4-20, 0-5mA
Indication : -999 to +9999

OUTPUT

Current : (0) 4-20mA scalable
Load : 0-600Ω
Voltage : 0-2, 0-5, 0-10 VDC
Communication : RS232 or RS485
Relay : 1 or 2, 250VAC 5A
SSR : 250VAC 1A
Transistor : Open collector 40V/40mA
Extern SSR : 12 (24) V/50mA
Transmitter supply : 12 (24) V/30mA

INSTALLATION

Supply : 90-250VAC/DC eller 24VAC/DC
Ambient temp : -10 to +65°C
Storage temp : -20 to +80°C
Humidity : 85% RH max (non-condensing)
Mounting : Panel with bracket
Dimension : B 96 x H96 x D120mm type B
 B 144 x H72 x D105mm type D
Vikt : 650g inkl. hållare



PERFORMANCE

Linearity error : < ±0.1%
Accuracy error : < ±0.2%
Time lag : 200 mS, Temp. 400mS
ADC Sampling time : 50 mS,
Indication : 50-segment red LED,
 4-digit red, Relay 2 LED's
Power consumption : 4VA
EMC : 73/23/EEC & 89/336/EEC
 EN 50081-1, EN 50082-2, EN 61010-1, EN 6100-4-2,
 EN 6100-4-4, EN 6100-4-5, EN 6100-4-6, EN 6100-4-11

ORDER INFORMATION

BBI600

TYPE	SUPPLY	RELAY OUT	SENSOR TYPE
B Arched	Z Specify	X None	Z Specify
D Linear	A 230VAC B 110VAC C 90-250VAC/DC P 24VAC/DC	C Relay D SSR E NPN J Ext.SSR	B RTD C Thermocouple D Linear

INPUT RTD	INPUT TC	INPUT LINEAR
Z Specify	Z Specify	Z Specify
B Pt-50	J J typ	B 0-20mA
D Pt-100	K K typ	C 4-20mA
F Pt-500	S S typ	H 0-2V
G Pt-1000		I 0-5V
H Cu-50		K 0-10V
K Cu-100		

COMMUNICATION

X None
 A RS232
 B RS485

LINEARISATION

X None
 Z Specify
 HC Horizontal cylinder
 LC Lying cylindrical tank
 SC Standing cylindrical tank,
 SN Standing conical tank,
 SP Spherical tank,
 QR Square root,