

CONNECTION HEAD WITH DISPLAY

Mounting of sensor: Plain tube
Ø15.3mm, Thread M24x1,5
Mounting of cap: Tilting cap with screw

Type:
PH-BSBH-S

Sheet No.
7-60 V2.2

10104-E240919V2.2

**Application:**

The PH-BSBH-S is a connection head with a tilting high cap and an integrated digital indicator for 4...20 mA current loops. It provides local indication of process values directly at the measuring point and is intended for installation together with a head-mounted temperature transmitter that provides a 4...20 mA signal. The indicator is loop-powered and connected in series with the transmitter output, allowing quick visual verification during commissioning, calibration, or service.

Properties:

- Robust aluminium housing, powder-coated
- Integrated 4-digit LED display (°C / °F)
- Displays 4...20 mA loop signal (loop-powered)
- Degree of protection: IP 67 (front)
- Tilting cap secured with screw
- Cable entry M20×1.5 mm

**MECHANICAL SPECIFICATIONS:****Case and cap material:**

Powder-coated die-cast aluminium (Al-Si alloy)

Surface:

Powder-coated

Mounting of cap:

Tilting cap secured by screw

Process entry:

Ø 15.3 mm bore, thread M24×1.5 mm (Ø 22.5 mm optional)

Inner dimensions (for transmitter):

Ø 52×30 mm (space for transmitter and display wiring)

Ambient temperature (housing only):

-40 ... +100 °C

Cable entry:

M20×1.5 mm

ELECTRICAL SPECIFICATIONS

Input	
Current loop:	4...20 mA
Input resistance:	Ri : <160 Ω (U <3,2 V)
Accuracy	
Resolution:	-999...+9999 digit
Measuring fault:	±0,2% of measuring range, ±1 digit
Temperature drift:	100 ppm/K
Indication	
Display:	7 segments, 8 mm high, red, 4 digits
Overflow/Underflow:	to HI / to LO
Time of indication:	0,1 s - 1 s - 10 s (adjustable)
Ambient conditions	
Operating temperature:	standard: 0...+80°C / Ex-type: 0...+60°C
Storing temperature	-20...+80°C/h
Programmable features	
range of indication / time of indication / decimal point / unit (°C/°F) / stabilization zero point / locking of programming / calibration points / TAG number	
Homologation	
EC Type Examination	ZELM 05 ATEX 0252
Certificate:	
Attestation of conformity;	ZELM 05 ATEX 3175
Mechanics	
Material enclosure:	Macrolon
Protection:	Front: IP 67
Connection	open cable ends
Carrier circular	Dimension:
	Fastening:
	Weight:
Carrier angular:	Dimension:
	Fastening:
	Weight: