



INTELLIGENT pH/ORP-TRANSMITTER/CONTROLLER BPHT109

- Microcomputer based
- Power Supply 85 to 264 VAC 50/60 Hz
- Automatic or manual temperature compensation
- Digital pushbutton calibration
- 2 point calibration
- MODBUS RS485 (Option)
- Relay output
- IP65
- Panelmount 96x96 DIN-case
- Multiple Measurements
- Isolated Output 4-20 mA
- High contrast LCD display
- Accepts Pt-100, Pt-1000 or NTC
- OEM Versions Available



DESCRIPTION

The BASI BPHT-109 pH transmitter and controller is ideal for monitoring of pH. Complete electrical isolation between measuring circuit supply and the 4-20mA output is provided.

The BPHT-109 is compatible with most pH electrodes.

The transmitter is housed in a compact IP65 DIN case enclosure suitable for panel mounting.


The digital display provides a continuous display of the pH/mV Temperature level, alarm settings and provides a convenient 'on the spot' display during calibration and setting up. Easy to follow 'on display' messages assist the user to set up and calibrate the transmitter.

Two point calibration provides a thorough calibration using two accurate buffer solutions.



TECHNICAL SPECIFICATIONS

- pH-input** : Any electrode where $E^\circ = 7\text{pH}$
(Antimony electrode option)
- Range** : 0.00 to 14.00pH, -1999+1999mV
- Input resistance** : Greater than $10^{10}\Omega$
- Temp input** : 1000 Ω (100 Ω option) RTD and NTC
(May also be set to manual temperature)
- Range** : -30,0 to 130,0°C
- Output** : 4-20mA isolated
- Load** : 600 Ω
- Linearity error** : $< \pm 0.01\%$ FS
- Accuracy** : $< 0.03\text{pH}$, 2mV, 0,1°C
- Communication** : RS485 MODBUS-RTU (Option)
- Display** : Customized LCD
- Supply** : 85 to 264 VAC 50/60 Hz
- Ambient temp** : -20 to +60°C RH 10-95%
- Mounting** : Panel
- Wiring** : Screw terminals
- Housing** : IP65
- Isolation** : 3 way 2500 V AC/DC
- Size** : H96 x W96 x D120mm
- Weight** : 0,8 kg

Observed authority requirements : CE-marking 
Electromagnetic compatibility: EN 50081-1, EN 50081-2, EN 61010-1, 89/336/EEC

ORDERING INFORMATION

BPHT-109-XXX	Temp.comp	Electrode
Communication	0 Pt-1000	0 Without
0 None	1 NTC	1 Specify
1 RS-485		



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Intelligent pH/ORP-Transmitter/Controller BPHT100

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