

DESCRIPTION

The BASI BPHT10 transmitter provides an temperature compensated 4-20mA output. The transmitter is ideal for interfacing to PLCs, data loggers and chart recorders. Automatic temperature compensation is provided by an integral Pt-100 temperature sensor and the associated circuitry. Inbuilt trimpots allow user calibration of electrode offset (cal) and gain (slope). The standard pH range is adjustable from 0-14 to 2-12 pH. The BPHT10 is available with a wide choice of electrodes to suit the installation and the chemical medium

- **2-wire loop-powered 4-20mA output**
- **Temperature compensated**
- **Submersible and inline models**
- **Incorporates your choice of sensor**
- **Inbuilt calibration adjustments**
- **Selection of immersion lengths**
- **4-digit LCD-indicator (option)**
- **Low cost**



SPECIFICATIONS GENERAL

Input : pH electrode where E° = 7pH
or ORP (redox) electrode

Output : 4-20mA adjustable
from 2-12pH to 0-14pH
or -2000mV to +2000mV (ORP)

Accuracy : < ±0.05% of full scale (when calibrated)

Compensation: Temperature compensated to 100°C
(pH models only)

Supply : 8 to 30V DC

Display : 4-digit LCD height 14mm

Protection : Reverse polarity protected

Maximum load: 600 ohm

Ambient temp : -20-60°C

Humidity : 5 to 95% non-condensing

Protection class : IP20

Weight : 30g

Dimension : B 43 x H 30 mm

EMC : EN 50081-1, EN 50082-2,
73/23/EEC & 89/336/EEC



ORDER INFORMATION

BPHT10

TYPE	DISPLAY	MOUNTING	ELECTRODE
DN pH	X None	X None	X None
DO ORP	A LCD	1 Clip for DIN-rail	1 specify
	B LED	2 IP65 wall mount	
		3 Sensor head	
		4 EX-head	