

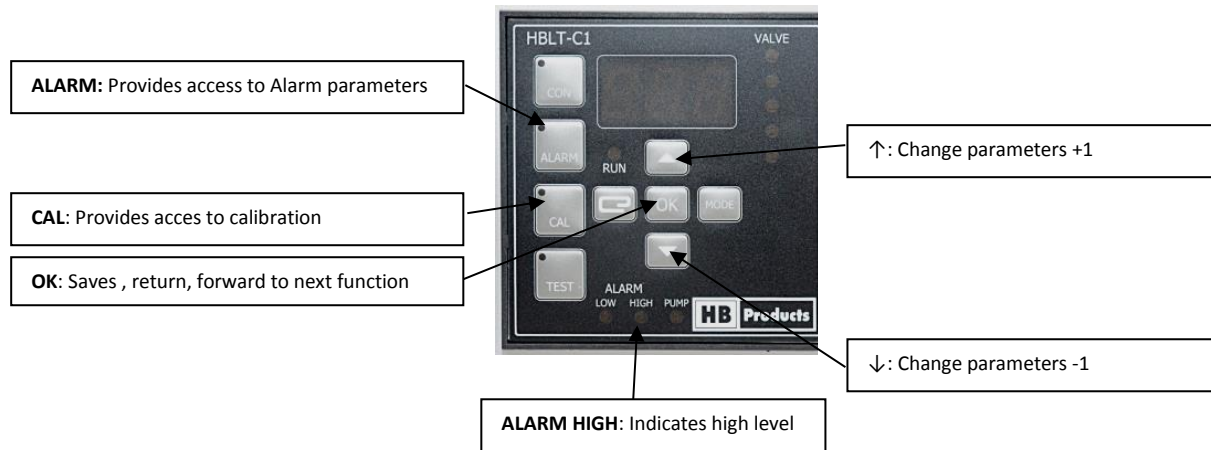
Technical Data

	HBPH-C1	HBPH-C1-ENC
Supply:		
Voltage	24 V AC/DC ± 10 %	100..240 V AC
Frequency	50/60 Hz	50/60 Hz
Current draw	Max 40 mA	Max 1.5 A
Connection	Screw terminal	Screw terminal
Wire size	< 2,5 mm ²	< 2,5 mm ²
Installation conditions :		
Surrounding temperature	-20...+70°C	-20...+70°C
Protection class	IP45	IP65
Relative humidity	20...80 %	20...80 %
Approvals:		
EMC Emission	EN61000-3-2	EN61000-3-2
EMC Immunity	EN61000-4-2	EN61000-4-2
GOST R	No 0903044	
Mechanical specifications:		
Mounting	In front of panel	On wall
External measurement	96x96x94 mm (BxHxD)	298x220x182 mm (BxHxD)
Cut-out measurement	92,8x92,8 mm	N.A.
Material	Plastic	Plastic
Weight	0.2 kg	1.4 kg
Display:		
Digit's display	3 digits, red	3 digits, red
Alarm indication	LED (green og red)	LED (green og red)
Programming	From front	From front
Updatting	1 time each second	1 time each second
Input:		
Analogue input - sensor	4-20 mA	4-20 mA
Alarm – max level	Relay – 5...25 V DC	Relay – 5...25 V DC
Output:		
Analogue output	4-20 mA	4-20 mA
Load	3A/24 VDC	3A/24 VDC
Relay output	@24VAC/VDC: 1 x 3A	@24VAC/VDC: 1 x 3A
	@110 VAC: 1 x 5A	@110 VAC: 1 x 5A
	@220 VAC: 1 x 5A	@220 VAC: 1 x 5A

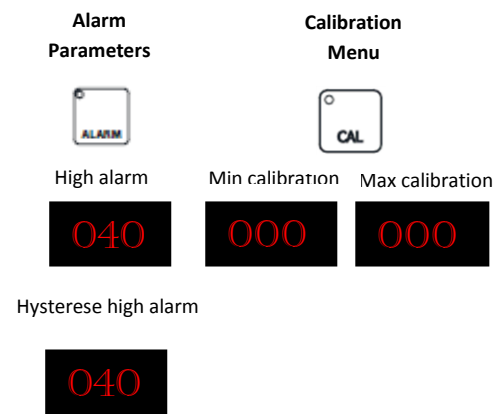
Quick Guide HBPH-C1 Display for pH sensor



The functions of display buttons:



Operation menu:



Change to next parameter:
OK: Saves, return, forward to next function

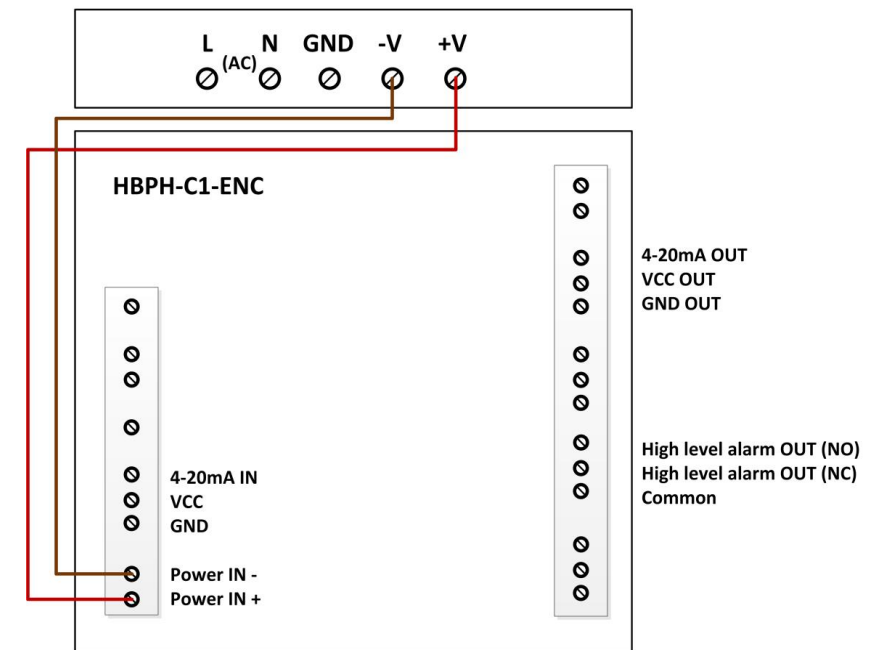
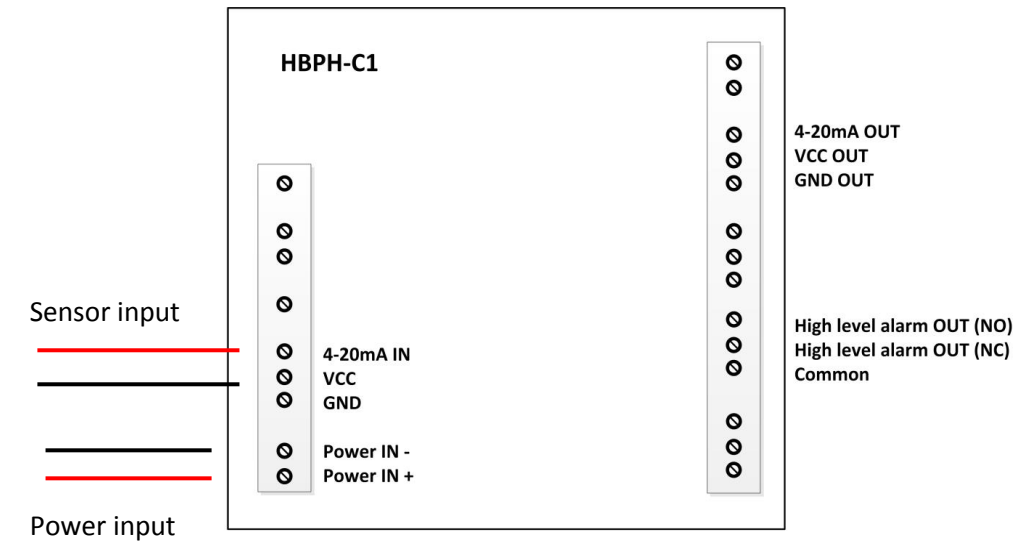
Change parameters
↑: Change parameters +1
↓: Change parameters -1

Calibration:
Detailed information's on calibration function are available in Instruction manual.

Short parameter description:

Parameters	Description	Range	Factory settings
Alarm			
High level alarm	An alarm level can be set. Three-way alarm output NO/NC	000...100 %	085
Hysteresis - High level	Hysteresis of low alarm level. The relay will stay on in this range	000...100 %	005

Connection of sensor:



PC GND & PC INT: Has no function in this controller.
Solid state relay IN & Solid state relay OUT: Should only be used when AKVA valve is used.