

## FEATURES

- LCD graphic display with backlight
- Two on/off outputs
- Two digital proportional outputs
- Minum / Maximum reading alarm
- Functions displayed: temperature (n/a probe), date, time and probe reading
- Probe-cleaning output
- Pulse sender water meter input
- Permanent data recording
- Stand-by
- Serial output for modem / printer
- SMS Service with optional GSM modem
- Programmable output: conductivity  $0/4 \div 20\text{mA}$  and temperature  $0/4 \div 20\text{mA}$
- Two tanks level input
- Flow sensor input
- Probe input
- Password protected access

Microprocessor digital pH controller with automatic temperature compensation and hysteresis control.

LDPH offers On/Off and Digital Proportional operating modes.



## ELECTRICAL

### INPUT SIGNAL

with BNC connector

### POWER SUPPLY

$90 \div 240$  VAC; 50/60 Hz

$9 \div 30$  VDC

### AVERAGE CONSUMPTION

Average 10 W

### ON/OFF OUTPUT

2 relays; 5A @ 230 VAC (fuse protected)

### PROPORTIONAL OUTPUT

Pulse output signal, open collector

$0 \div 250$  pulses per minute

### ALARM OUTPUT

Free voltage contact (fuse protected)

### PROBE CLEANING OUTPUT

1 relay; 5A @ 230 VAC (fuse protected)

### CURRENT OUTPUT

2 galvanic isolated. Programmable  $0/4 \div 20\text{mA}$  (reading and temperature)

Maximum Load  $400 \Omega$

### CHEMICAL TANK INPUT

2 contact inputs

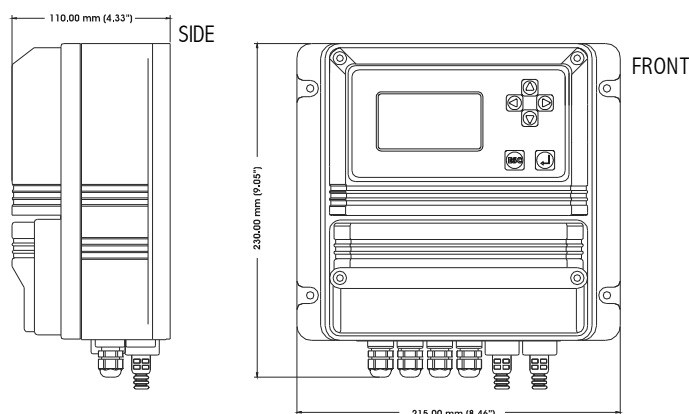
### STAND-BY INPUT

1 contact input

### DATA OUTPUT

1 serial output for RS232 printer or RS485

## DIMENSIONS



## ENCLOSURE

### IP65 enclosure (NEMA4x)

LDPH control instruments are manufactured in ABS housing to ensure protection against aggressive chemicals and tough environment.

### ENVIRONMENT

0°C ÷ 40°C (32°F ÷ 104°F)

0 ÷ 95% (non condensing) relative humidity

## pH ELECTRODES

Model	EPHS	EPHM	EPHL	EPHM/D
Measuring Range	0 ÷ 14			
Resolution	0,01			
Max Pressure/Temperature	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)
Body	Epoxy			
Installation Diameter	12 mm	12 mm	12 mm	12 mm
Electrical Connection	BNC	BNC	BNC	BNC
Cable Length	0.8 m	4.5 m	15 m	4.5 m
Minimum Working Conductivity	100µS	100µS	100µS	1µS
Features	-			Low ionic

Model	EPHM/HF	EPHSN6	EPHMD/100	EPHSC	EPHSC/SN6
Measuring Range	0 ÷ 14				
Resolution	0,01				
Max Pressure/Temperature	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	7bar/100°C	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)
Body	Epoxy				
Installation Diameter	12 mm	PG 13,5	12 mm	12 mm	PG 13,5
Electrical Connection	BNC	SN6	BNC	BNC	SN6
Cable Length	4.5 m	without cable	4.5 m	4.5 m	without cable
Minimum Working Conductivity	100µS	100µS	100µS	100µS	100µS
Features	Hydrofluoric acid resistant	-	Double junction	self cleaning	self cleaning