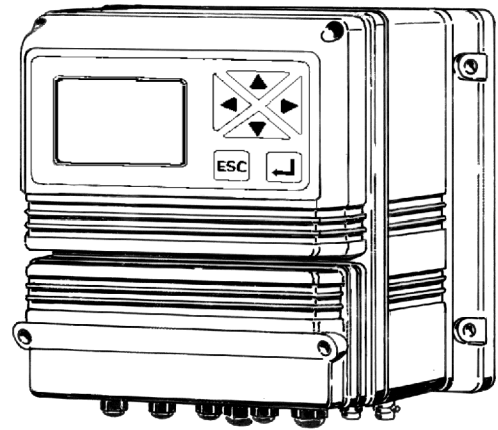


## FEATURES

- 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 ÷ 20mA and temperature 0/4 ÷ 20mA
- 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 ÷ 240 VAC; 50/60 Hz

9 ÷ 30VDC

### AVERAGE CONSUMPTION

Average 10 W

### ON/OFF OUTPUT

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

### PROPORTIONAL OUTPUT

Pulse output signal, open collector

0 ÷ 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 ÷ 20mA (reading and temperature)

Maximum Load 400 Ω

### CHEMICAL TANK INPUT

2 contact inputs

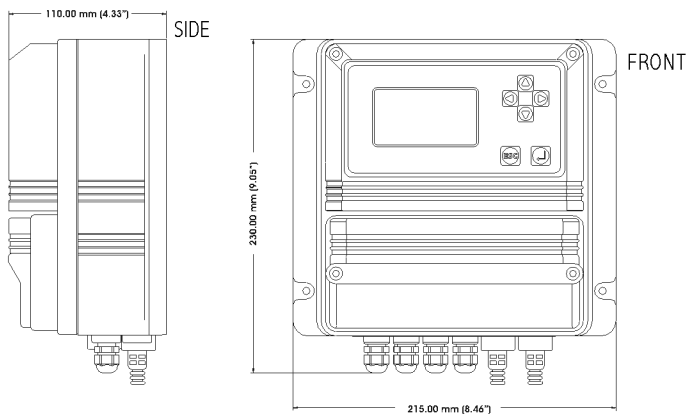
### STAND-BY INPUT

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

32°F ÷ 122°F

0 ÷ 95% (non condensing) relative humidity

## pH ELECTRODES

| Functions                    | EPHS                          | EPHM                          | EPHL                          | EPHM/D                        |
|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Measuring Range              | 0 ÷ 14                        |                               |                               |                               |
| Resolution                   | 0,01                          |                               |                               |                               |
| Max Pressure/Temperature     | 101PSI/158°F<br>(50PSI/176°F) | 101PSI/158°F<br>(50PSI/176°F) | 101PSI/158°F<br>(50PSI/176°F) | 101PSI/158°F<br>(50PSI/176°F) |
| Body                         | Epoxy                         |                               |                               |                               |
| Installation Diameter        | 12 mm                         | 12 mm                         | 12 mm                         | 12 mm                         |
| Electrical Connection        | BNC                           | BNC                           | BNC                           | BNC                           |
| Cable Length (ft)            | 2.62                          | 14.76                         | 49.21                         | 14.76                         |
| Minimum Working Conductivity | 100µS                         | 100µS                         | 100µS                         | 1µS                           |
| Features                     | -                             |                               |                               | Low ionic                     |

| Functions                    | EPHM/HF                       | EPHSN6                        | EPHMD/100       | EPHSC                         | EPHSC/SN6                     |
|------------------------------|-------------------------------|-------------------------------|-----------------|-------------------------------|-------------------------------|
| Measuring Range              | 0 ÷ 14                        |                               |                 |                               |                               |
| Resolution                   | 0,01                          |                               |                 |                               |                               |
| Max Pressure/Temperature     | 101PSI/158°F<br>(50PSI/176°F) | 101PSI/158°F<br>(50PSI/176°F) | 101PSI/212°F    | 101PSI/158°F<br>(50PSI/176°F) | 101PSI/158°F<br>(50PSI/176°F) |
| 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 (ft)            | 14.76                         | without cable                 | 14.76           | 14.76                         | without cable                 |
| Minimum Working Conductivity | 100µS                         | 100µS                         | 100µS           | 100µS                         | 100µS                         |
| Features                     | Hydrofluoric acid resistant   | -                             | double junction | self cleaning                 | self cleaning                 |