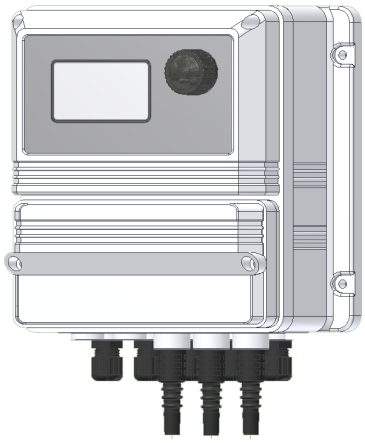
"LDPHCLH"

Data Sheet

FEATURES

- Instrument operated by a rotation "Encoder"
- Flow control input
- pH range: 0-14 pH; Chlorine range: 0-10 mg/l Cl_2
- Chlorine amperometric cell: to specify
- PT100 Temperature probe
- pH probe
- Stand-by input
- Probe alarm (probe check-up)
- Max dosing time alarm
- Threshold alarm
- Level alarm
- Flow alarm
- SMS alarm sending (as option)
- Ethernet connection to email alarm condition (as option)
- Programmable delay at dosing startup (max 60 minutes)
- pH priority dosage over Chlorine dosage
- Chlorine and pH compensation (with ECL6 or ECL12 only)
- Service Menù for real time probe reading
- Real time internal clock
- PID controller manages all instrument outputs based on changes read by mA input and multiply value referring to % and type of mA signal (0-4/20) and Hz(0/500).
- Automatic or manual dosing activity
- Chlorine/Bromine selection with ECL6 / ECL12 probe
- Data log storage on USB device (as option)
- mA outputs (as option)



CE

Microprocessor digital regulator for pH and Chlorine with temperature reading. Setpoint with PID regulation. Pulses per minute can be set for outputs.
Wide LCD backlight display.

INPUT:
- Stand-by
- Flow
- pH (+) level
- pH (-) level
- Chlorine level
- pH probe
- Chlorine probe
- Temperature probe

OUTPUTS:
- 3 pulses outputs (pH and Cl)
- 2 relay outputs (pH and Cl)
- Main alarm

ELECTRICAL

INPUT SIGNAL
BNC (pH)
Board connection (Chlorine)

POWER SUPPLY
90-265 VAC; 50/60 Hz

AVERAGE CONSUMPTION
25 W

ON/OFF OUTPUT
2 relays; 5A @ 230 VAC
(fuse protected)

PROPORTIONAL OUTPUT
Pulse output signal,
open collector
0-180 pulses per minute

ALARM OUTPUT
85-264VAC

STAND-BY
1 contact input

RS485 OUTPUT
1 RS485 output
(optional)

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ISO 9001:2015 No.07728/0
ISO 14001:2015 No.00997/0
ISO 45001:2018 No.01121/0

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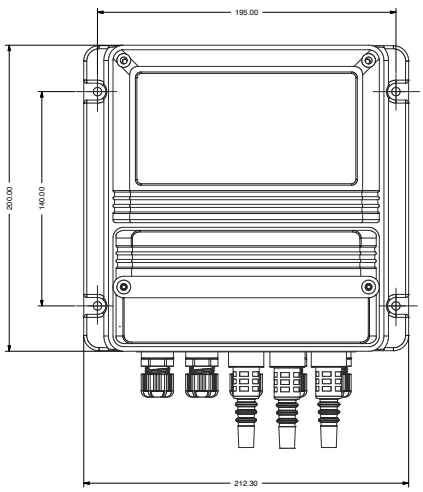
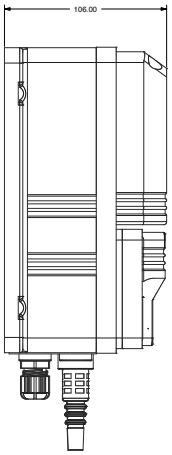
DIMENSIONS



FRONT



SIDE

ENCLOSURE

IP65 enclosure (NEMA4x).
LDPHCLH control instruments are manufactured in ABS housing to ensure protection against aggressive chemicals and tough environment.

ENVIRONMENT
-10°C - 50°C (14°F - 122°F)
0-95% (non condensing) relative humidity

AMPEROMETRIC CELLS - PH PROBE - TEMPERATURE PROBE

CLOSED AMPEROMETRIC CELL	
Model	Range
ECL 1/2	0-2.000 mg/l CL2
ECL 1/5	0-5.00 mg/l CL2
ECL 1/20	0-20.00 mg/l CL2
ECL 1/200	0-200.0 mg/l CL2
ECL 3S/10	0-10.00 mg/l CL2
ECL 3N/2	0-2.000 mg/l CL2
ECL 9/200	0-200.0 mg/l CL2
ECL 10/1	0-0.5 mg/l CL2
ECL 10/10	0-10.00 mg/l CL2
ECL 11/200	0-200.0 mg/l CL2
ECL 11/2000	0-2000 mg/l CL2
ECL 17	0-10.00 mg/l CL2O2
ECL 18	0-10.00 mg/l CL2
EBR1/20	0-20.00 mg/l Br
OPEN AMPEROMETRIC CELL	
ECL 4, 5, 6, 6E, 7, 12, 12E	0-10.00 mg/l CL2 o Br
PH PROBE	
EPHS	0-14 pH
TEMPERATURE PROBE	
ETEPT	0-100° C

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