

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 **Free Chlorine, Total Chlorine, Chlorine Dioxide, Hydrogen Peroxide, Ozone, Bromine, Peracetic acid** controller with hysteresis control and temperature compensation.

The instrument allows to select from a wide range of amperometric cells.

On/Off and Digital Proportional operating modes.



ELECTRICAL

INPUT SIGNAL

with block connection

Impedence > 1.5 kOhm

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

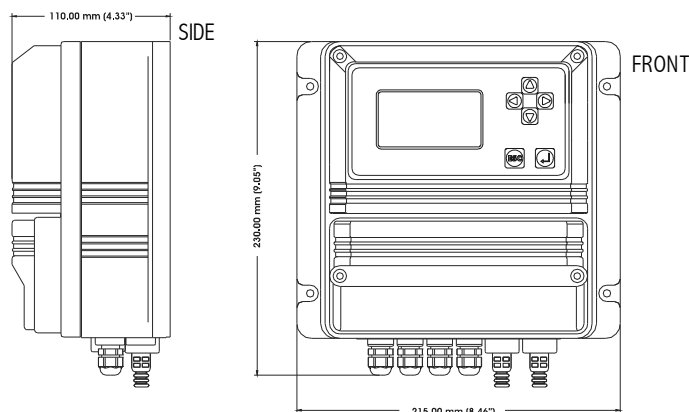
STAND-BY INPUT

1 contact input

DATA OUTPUT

1 serial output for RS232 printer or RS485

DIMENSIONS



ENCLOSURE

IP65 enclosure (NEMA4x)

LDCL 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

AMPEROMETRIC CELLS

	ECL6	ECL6/E	ECL7	ECL12	ECL12/E
Measuring range	0 - 10 mg/l	0 - 10 mg/l	0 - 10 mg/l	0 - 10 mg/l	0 - 10 mg/l
Resolution	0.01	0.01	0.01	0.01	0.01
Flow	40 l/h	40 l/h	40 l/h	40 l/h	40 l/h
Body	acrylic	acrylic	acrylic	acrylic	acrylic
Electrodes	Platinum Copper		Platinum Silver		
Dimensions	115x135x60	90x135x60	115x135x60	115x135x60	90x135x60
Electrical connection	2 wires	2 wires	2 wires	2 wires	2 wires
Cable length	1,5 m	1,5 m	1,5 m	1,5 m	1,5 m
Hose connections	8 x 12 mm	8 x 12 mm	8 x 12 mm	8 x 12 mm	8 x 12 mm
Temperature	1 - 45 °C	1 - 45 °C	1 - 45 °C	1 - 45 °C	1 - 45 °C
Pressure	max 5 bar	max 5 bar	max 5 bar	max 5 bar	max 5 bar

	ECL9	ECL10	ECL11
Measuring range	0 - 200 mg/l 0 - 2000 mg/l	0 - 1 mg/l 0 - 10 mg/l	0 - 200 mg/l 0 - 2000 mg/l
Resolution	0.1 1	0.001 0.01	0.1 1
Flow	40 l/h	40 l/h	40 l/h
Body	PVC	PVC	PVC
Diameter	25 mm	25 mm	25 mm
Probe length	17,8 cm	17,8 cm	17,8 cm
Electrical connection	4 wires	4 wires	4 wires
Cable length	1,5 m	1,5 m	1,5 m
Temperature	5 - 50 °C	5 - 50 °C	5 - 50 °C
Pressure	max 1 bar	max 1 bar	max 1 bar

	ECL1/X	ECL2	ECL17	ECL3S/10	ECL3N/2	ECL3N/10	ECL8	ECL18
Measuring range	0 - 2 mg/l 0 - 5 mg/l 0 - 20 mg/l 0 - 200 mg/l	0 - 2 mg/l 0 - 20 mg/l	0 - 10 mg/l	0 - 10 mg/l	0 - 2 mg/l	0 - 10 mg/l	0 - 2 mg/l 0 - 20 mg/l	0 - 10 mg/l
Resolution	0.001 0.01 0.01 0.1	0.001 0.01	0.01	0.01	0.001	0.01	0.001 0.01	0.01
Flow	40 l/h	40 l/h	40 l/h	40 l/h	40 l/h	40 l/h	40 l/h	40 l/h
Body	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Diameter	25 mm	25 mm	25 mm	25 mm	25 mm	25 mm	25 mm	25 mm
Probe length	17,8 cm	17,8 cm	17,8 cm	17,8 cm	17,8 cm	17,8 cm	17,8 cm	17,8 cm
Electrical connection	4 wires	4 wires	4 wires	4 wires	4 wires	4 wires	4 wires	4 wires
Cable length	1,5 m	1,5 m	1,5 m	1,5 m	1,5 m	1,5 m	1,5 m	1,5 m
Temperature	5 - 50 °C	5 - 50 °C	5 - 70 °C	5 - 50 °C	5 - 50 °C	5 - 50 °C	5 - 50 °C	5 - 70 °C
Pressure	max 1 bar	max 1 bar	max 8 bar	max 1 bar	max 1 bar	max 1 bar	max 1 bar	max 8 bar