

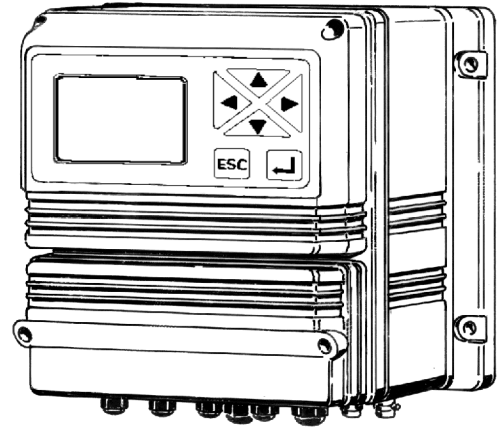
FEATURES

- LCD graphic display with backlight
- Two on/off outputs
- Two digital proportionals 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 tank 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 $> 1.5 \text{ k}\Omega$

POWER SUPPLY

$90 \div 240 \text{ VAC}$; 50/60 Hz

$9 \div 30 \text{ VDC}$

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 400Ω

CHEMICAL TANK INPUT

2 contact inputs

STAND-BY INPUT

1 contact input

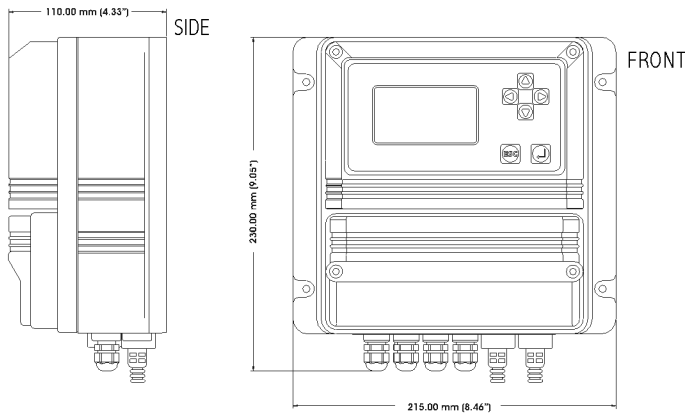
DATA OUTPUT

1 serial output for RS232 printer or RS485

"LDCL" series CONTROL INSTRUMENTS

Data Sheet

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 ÷ 50°C (32°F ÷ 122°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	10.56 GPH	10.56 GPH	10.56 GPH	10.56 GPH	10.56 GPH
Body	acrylic	acrylic	acrylic	acrylic	acrylic
Electrodes	Platinum Copper		Platinum Silver		
Dimensions (inch)	4.52x5.31x2.36	3.54x5.31x2.36	4.52x5.31x2.36	4.52x5.31x2.36	3.54x5.31x2.36
Electrical connection	2 wires	2 wires	2 wires	2 wires	2 wires
Cable length (ft)	4.92	4.92	4.92	4.92	4.92
Hose connections	8 x 12 mm	8 x 12 mm	8 x 12 mm	8 x 12 mm	8 x 12 mm
Temperature	33.8-113°F	33.8-113°F	33.8-113°F	33.8-113°F	33.8-113°F
Pressure	max 72.5 PSI	max 72.5 PS	max 72.5 PS	max 72.5 PS	max 72.5 PS

	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	10.56 GPH	10.56 GPH	10.56 GPH
Body	PVC	PVC	PVC
Diameter	25	25	25
Probe length	17,8 cm	17,8 cm	17,8 cm
Electrical connection	4 wires	4 wires	4 wires
Cable length (ft)	4.92	4.92	4.92
Temperature	41 - 122 °F	41 - 122 °F	41 - 122 °F
Pressure	max 14.5 PSI	max 14.5 PSI	max 14.5 PSI

	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	10.56 GPH	10.56 GPH	10.56 GPH	10.56 GPH	10.56 GPH	10.56 GPH	10.56 GPH	10.56 GPH
Body	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Diameter	25	25	25	25	25	25	25	25
Probe length (inch)	7	7	7	7	7	7	7	7
Electrical connection	4 wires	4 wires	4 wires	4 wires	4 wires	4 wires	4 wires	4 wires
Cable length (ft)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Temperature	41 - 122 °F	41 - 122 °F	41 - 158 °F	41 - 122 °F	41 - 122 °F	41 - 122 °F	41 - 122 °F	41 - 158 °F
Pressure	max 14.5 PSI	max 14.5 PSI	max 116 PSI	max 14.5 PSI	max 14.5 PSI	max 14.5 PSI	max 14.5 PSI	max 116 PSI



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