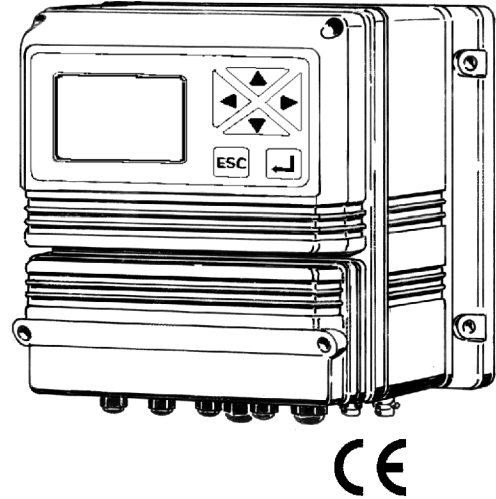


## FEATURES

- 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 Conductivity autoranging controller with temperature compensation. The instrument allows to select the conductivity probe and it features hysteresis control. On/Off and Digital Proportional operating modes.



## ELECTRICAL

### INPUT SIGNAL

with block connection

### 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 400  $\Omega$

### CHEMICAL TANK INPUT

2 contact inputs

### STAND-BY INPUT

1 contact input

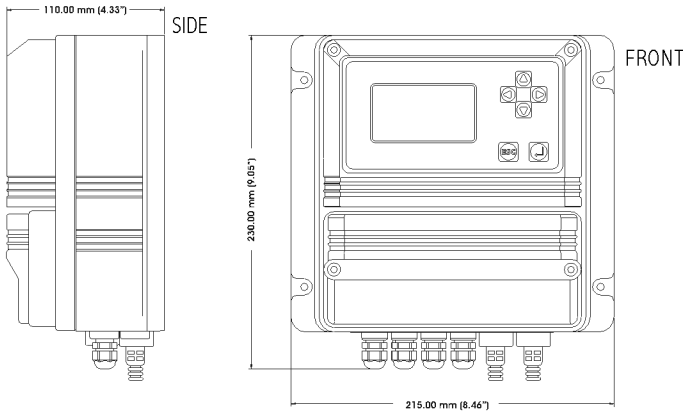
### DATA OUTPUT

1 serial output for RS232 printer or RS485

# "LDCD" series CONTROL INSTRUMENTS

# Data Sheet

## DIMENSIONS



## ENCLOSURE

IP65 enclosure (NEMA4x)

LDCD 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

## CONDUCTIVITY PROBES

	ECDHL/01	ECDHL/1	ECDHL/10	ECDC/1	ECDC/10	ECDI/01	ECDI/02	ECDI/1
Measuring Range	0÷200 µS	0,2÷20 mS	20÷200 mS	0÷20 mS	20÷200 mS	0÷200 µS	0÷500 µS	0÷5 mS
Resolution	0,1	0,01	0,1	0,01	0,1	0,1	1	0,01
K Factor	0,1	1	10	1	10	0,1	0,2	1
Max Pressure/ Temperature	101PSI/158°F	101PSI/158°F	101PSI/158°F	101PSI/140°F (0PSI/248°F)	101PSI/140°F (29PSI/248°F)	101PSI/140°F (0PSI/248°F)	101PSI/140°F (0PSI/248°F)	101PSI/140°F (0PSI/248°F)
Body	Epoxy	Epoxy	Epoxy	PVDF	PVDF	PVDF	PVDF	PVDF
Electrodes	Platinum	Platinum	Platinum	Graphite	Graphite	Stainless steel	Stainless steel	Stainless steel
Diameter	0,47 inch	0,47 inch	0,47 inch	3/4"	3/4" - 1/2"	3/4"	3/4"	3/4"
Probe Length (inch)	6,69	6,69	6,69	3,54	3,54	3,15	3,15	2,44
Electrical Connection	3 wires	3 wires	3 wires	5 wires	3 wires	3 wires	3 wires	3 wires
Cable Length (ft)	14,76	14,76	14,76	13,12	13,12	14,76	14,76	14,76
Equivalent with temp. compensation	ECDHLCP/1	ECDHLCP/10	ECDHLCP/01	ECDCCP/1	ECDCCP/10	ECDICPT/01	ECDICPT/02	ECDICPT/1

	EICDCPT/01	EICDCPT/1	EICDCPT/001	ECDHTPPT/01	ECDHTPPT/1
Measuring Range	0÷200 µS	0÷5 mS	0÷20 µS	0÷200 µS	0÷5 mS
Resolution	0,1	0,01	0,01	0,1	0,01
K Factor	0,1	1	0,01	0,1	1
Max Pressure/ Temperature	218PSI/266°F	218PSI/266°F	218PSI/266°F	218PSI/392°F	218PSI/392°F
Body	INOX	INOX	INOX	INOX	INOX
Electrodes	INOX	INOX	INOX	INOX	INOX
Diameter	3/4"	3/4"	3/4"	3/4"	3/4"
Probe Length (inch)	2,76	2,76	2,76	2,76	2,76
Electrical Connection	5 wires	5 wires	5 wires	5 wires	5 wires
Cable Length (ft)	13,12	13,12	13,12	14,76	14,76
Equivalent with temp. compensation	Embedded	Embedded	Embedded	Embedded	Embedded