

## 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  $0/4 \div 20\text{mA}$  and temperature  $0/4 \div 20\text{mA}$
- Two tanks 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;  $5\text{A} @ 230 \text{ VAC}$  (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;  $5\text{A} @ 230 \text{ VAC}$  (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

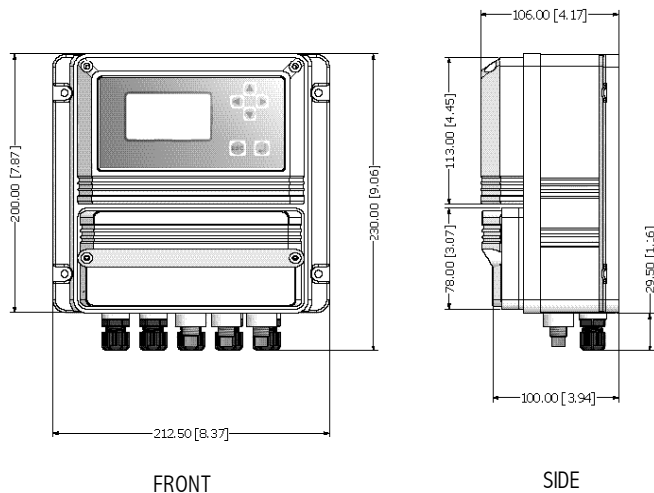
### STAND-BY INPUT

1 contact input

### DATA OUTPUT

1 serial output for RS232 printer or RS485

## 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 ÷ 40°C (32°F ÷ 104°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
<b>Measuring Range</b>	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
<b>Resolution</b>	0,1	0,01	0,1	0,01	0,1	0,1	1	0,01
<b>K Factor</b>	0,1	1	10	1	10	0,1	0,2	1
<b>Max Pressure/ Temperature</b>	7bar/70 °C	7bar/70 °C	7bar/70 °C	7bar/60 °C (0bar/120°C)	7bar/60 °C (2bar/120°C)	7bar/60 °C (0bar/120°C)	7bar/60 °C (0bar/120°C)	7bar/60 °C (0bar/120°C)
<b>Body</b>	Epoxy	Epoxy	Epoxy	PVDF	PVDF	PVDF	PVDF	PVDF
<b>Electrodes</b>	Platinum	Platinum	Platinum	Graphite	Graphite	Stainless steel	Stainless steel	Stainless steel
<b>Diameter</b>	12 mm	12 mm	12 mm	3/4"	3/4" - 1/2"	3/4"	3/4"	3/4"
<b>Probe Length</b>	170 mm	170 mm	170 mm	90	90	80	80	62
<b>Electrical Connection</b>	3 wires	3 wires	3 wires	5 wires	3 wires	3 wires	3 wires	3 wires
<b>Cable Length</b>	4.5 m	4.5 m	4.5 m	4 m	4 m	4.5 m	4.5 m	4.5 m
<b>Equivalent with temp. compensation</b>	ECDHLCPT/1	ECDHLCPT/10	ECDHLCPT/01	ECDCCT/1	ECDCCT/10	ECDICT/01	ECDICT/02	ECDICT/1

	EICDCPT/001	EICDCPT/01	EICDCPT/1	ECDHTPPT/01	ECDHTPPT/1
<b>Measuring Range</b>	0÷20 µS	0÷200 µS	0÷5 mS	0÷200 µS	0÷5 mS
<b>Resolution</b>	0,01	0,1	0,01	0,1	0,01
<b>K Factor</b>	0,01	0,1	1	0,1	1
<b>Max Pressure/ Temperature</b>	15bar/130 °C	15bar/130 °C	15bar/130 °C	15bar/200 °C	15bar/200 °C
<b>Body</b>	INOX	INOX	INOX	INOX	INOX
<b>Electrodes</b>	INOX	INOX	INOX	INOX	INOX
<b>Diameter</b>	3/4"	3/4"	3/4"	3/4"	3/4"
<b>Probe Length</b>	70	70	70	70	70
<b>Electrical Connection</b>	5 wires	5 wires	5 wires	5 wires	5 wires
<b>Cable Length</b>	4 m	4 m	4 m	4,5 m	4,5 m
<b>Equivalent with temp. compensation</b>	Embedded	Embedded	Embedded	Embedded	Embedded