LD MULTICHANNEL - LD MULTICHANNEL PLUS

Data Sheet

MULTIPLE READING DIGITAL SYSTEMS

Digital controllers for measurement and control of two parameters, with temperature reading (° C or ° F).

LD MULTICHANNEL series is controlled by an "ENCODER".
Working mode can be set:

- on / off
- pulse proportional
- proportional PWM
- fixed PWM

LD MULTICHANNEL PLUS has got, further more, working modes:

- PID
- proportional with water meter
- IN-LINE

Instruments connected in a network (up to 31 instruments) can be remotely controlled.

Combined with probes and probe holders, they can be assembled on panels to have a complete turnkey control system.

R2-06-20

REMOTE CONTROL
Remote control is available with ETHERNET or GSM/GPRS configurations.
Remote control via: www.ermes-server.com.

SOFTWARE
English software available. Ask for French or Deutsch.

CUSTOMIZATION
Instruments can be customized with client logo on frontal panel.

STAND-BY INPUT

FLOW CONTROL INPUT

PERMANENT DATA STORAGE (WITHOUT BATTERY)
System log on display.

DELAY
Programmable delay at dosing start-up (up to 60 minutes).

ALARMS
Alarms for: damaged probe; max dosage, flow, threshold, level (double level).

DISPLAY
Probe readings, alarms notification, network status (Ethernet; USB, GSM/GPRS) are shown on display.

PROBE READOUT MENU

PH PRIORITY DOSAGE
pH priority dosage on second parameter.

mA OUTPUT
As option.

MODBUS
Modbus is a serial communication protocol for connecting instruments to other devices on RS485 network.

ALARM RELAIS
230 VAC output alarm.

DOUBLE SETPOINT
Relais set for 2 setpoint.

FLOCCULANT OUTPUT (230 VAC)
LDPHCL and LDPHRH only.

INTERNAL CLOCK

AUTOMATIC OR MANUAL DOSING ACTIVITY

LD MULTICHANNEL PLUS ONLY

WATER METER INPUT

mA WATER METER INPUT (ON REQUEST)

mA OUTPUT

PID

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IQNet CERTIFIED MANAGEMENT SYSTEM
qualityaustria SYSTEM CERTIFIED
ISO 9001:2015
ISO 14001:2015
BS OHSAS 18001:2007

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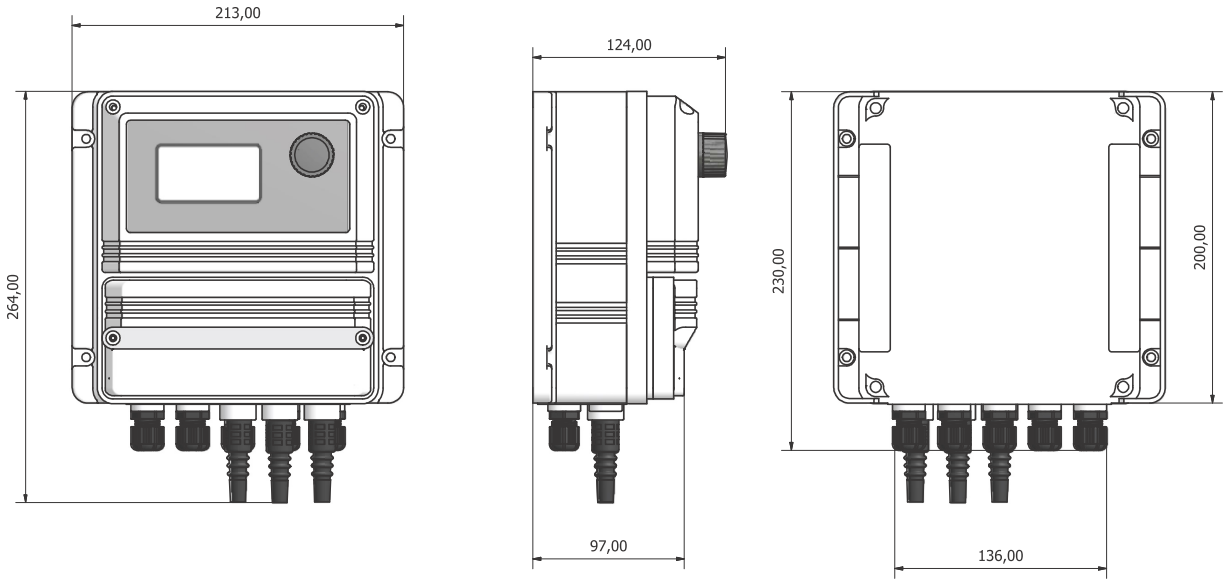
MODELS

STANDARD	PLUS	MEASURING PARAMETER
LDPHCL	**LDPHCL PLUS**	pH and Chlorine (or hydrogen peroxyde, ozone, peracetic acid, chlorine dioxide, bromine)
LDPHRH	**LDPHRH PLUS**	pH and ORP
LDPHCD	**LDPHCD PLUS**	pH and Conductivity
LDPHCDIND	**LDPHCDIND PLUS**	pH and Inductive Conductivity (probe mod. ECDINDPT)
LDPHTORBH	**LDPHTORBH PLUS**	pH and Turbidity (probe mod. ETORBH)
LDPHTRC	**LDPHTRC PLUS**	pH and tracers (probe mod. ETRC)
LDCDCD	**LDCDCD PLUS**	2 Channels for Conductivity

DIMENSIONS



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MULTIPLE READING DIGITAL SYSTEMS

LDPHRH - LDPHRH PLUS

	LDPHRH	LDPHRH PLUS
MEASURING PARAMETER	pH / ORP	
RANGE	0-14 pH / 0-1000 mV; resolution: 0,1	
TEMPERATURE COMPENSATION	pH	
CONTROL	Prop. - On/Off	Prop. - On/Off - PID - Prop.+WM - IN-LINE
INPUT SIGNAL	BNC connector for pH - BNC connector for ORP	
POWER SUPPLY	85-264 VAC; 50/60 Hz	
AVERAGE CONSUMPTION	25 W	
ON/OFF OUTPUT	2 relays; 5A @ 230 VAC (fuse protected)	
ALARM OUTPUT	85-264VAC alarm output	
INPUT	Stand-by Flow PH+ level PH- level ORP level PH probe ORP probe Temperature probe	Stand-by Flow PH+ level PH- level ORP level PH probe ORP probe Temperature probe Water meter mA water meter [1]
OUTPUT	2 proportional impulsive(pH) Proportional impulsive (ORP) Proportional on/off (pH) Proportional on/off (ORP) 3 mA output (pH, ORP, temperature) as option [1] Flocculant output (230 VAC) General alarm	2 proportional impulsive(pH) Proportional impulsive (ORP) Proportional on/off (pH) Proportional on/off (ORP) 3 mA output (pH, ORP, temperature) Flocculant output (230 VAC) General alarm
ENVIRONMENT TEMPERATURE	-10°C ... 50°C (14°F ... 122°F)	
PROTECTION	IP65 - % working UR: 85% with ≤40 °C; 70% at 50 °C (non condensing)	
POLLUTION LEVEL	2	
ENCLOSURE	ABS	
TEST/CERTIFICATION	CE	
DIMENSIONS	refer to the drawing	
WEIGHT	1,45 kg (3.1967 lb)	
INSTALLATION	vertical wall (4 fixing holes)	
OPTIONS [1]	• mA output • 9-18 or 18-36 VDC power supply • ADVANCED USB configuration [2] • ETHERNET configuration [2] • GSM/GPRS configuration [2] • MODBUS configuration [2] • WIFI configuration [2]	• mA Water Meter input • POWER SUPPLY 9-30 VDC • ADVANCED USB configuration [2] • ETHERNET configuration [2] • GSM/GPRS configuration [2] • MODBUS configuration [2] • WIFI configuration [2]

[1] On request.
[2] For configuration features refer to the table at the end of the document.

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