

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 **Redox (ORP)** controller with hysteresis control.

LDRH offers On/Off and Digital Proportional operating modes.



ELECTRICAL

INPUT SIGNAL

with BNC connector

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

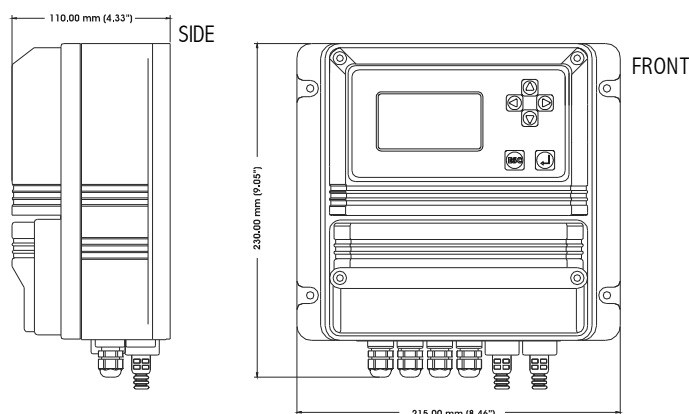
STAND-BY INPUT

1 contact input

DATA OUTPUT

1 serial output for RS232 printer or RS485

DIMENSIONS



ENCLOSURE

IP65 enclosure (NEMA4x)

LDRH 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

ORP (REDOX) ELECTRODES

	ERHS	ERHM	ERHL	ERHHL	ERHM/D
Measuring range	-2000 to +2000 mV	-2000 to +2000 mV	-2000 to +2000 mV	-2000 to +2000 mV	-2000 to +2000 mV
Resolution	1				
Max Pressure/Temperature	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	6bar/80°C	7bar/70°C (3,5bar/80°C)
Body	Epoxy	Epoxy	Epoxy	Glass	Epoxy
Installation Diameter	12 mm	12 mm	12 mm	PG 13,5	PG 13,5
Electrical Connection	BNC	BNC	BNC	BNC	BNC
Cable Length	0.8 m	4.5 m	15 m	10 m	4,5 cm
Features	-	-	-	high linearity	low ionic

	ERHSN6	ERHMD/100	ERHSC	ERHSC/SN6
Measuring range	-2000 to +2000 mV	-2000 to +2000 mV	-2000 to +2000 mV	-2000 to +2000 mV
Resolution	1			
Max Pressure/Temperature	7bar/70°C (3,5bar/80°C)	7bar/100°C	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)
Body	Epoxy	Epoxy	Epoxy	Epoxy
Installation Diameter	PG 13,5	PG 13,5	12 mm	PG 13,5
Electrical Connection	SN6	BNC	BNC	SN6
Cable Length	without cable	4,5 cm	4.5 m	without cable
Features	-	double junction	self-cleaning	self-cleaning