ANALOGIC INSTRUMENTS

L DUAL

LPHRH * LPHRHP * LPHCL/1 - LPHCL/4 * LPHCLP/1 - LPHCLP/4 * LPHCD

The L Dual Series are compact, versatile and user-friendly wall mounted instruments to control and measure **pH**, **Redox (ORP)**, **Conductivity** or **Free Chlorine**. The **double display** feature allows the simultaneous reading and control of two different parameters. The L Dual Series is the ideal partner to manage sophisticated chemical treatment programs.

L Dual Series provides **reliable** and **accurate** measurements in many fields of applications:

- waste water treatment
- drinking water
- swimming pools
- agriculture

... and many more.

A.T.A. offers a wide range of electrodes to match technical requirements of different applications.

GENERAL FEATURES

LPHRH

*On/Off double display controller for measuring and controlling **pH and Redox** (ORP).*

LPHCL/1 - LPHCL/4

*On/Off double display controller for measuring and controlling **pH and Cl_2**.*

*Mod. **LPHCL/1** suitable for amperometric cells mod. ECL1/2/3.*
*Mod. **LPHCL/4** suitable for amperometric cells mod. ECL 4/5/6.*

LPHRHP

*Proportional double display controller for measuring and controlling **pH and Redox** (ORP).*

LPHCLP/1 - LPHCLP/4

*Proportional double display controller for measuring and controlling **pH and Cl_2**.*

*Mod. **LPHCLP/1** suitable for amperometric cells mod. ECL1/2/3.*
*Mod. **LPHCLP/4** suitable for amperometric cells mod. ECL 4/5/6.*

LPHCD

*On/Off double display controller for measuring and controlling **pH and Conductivity**.*

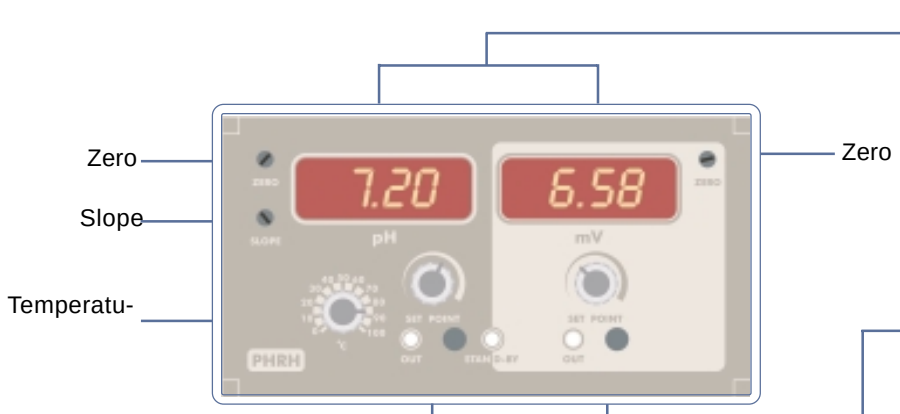
TECHNICAL DATA of ALL MODELS

Functions	LPH RH	LPH RH P	LPH CL/1 LPH CL/4	LPH CLP1 LPH CLP4	LPH CD
Range	0 ÷ 14.00 pH 0 ÷ 1000 mV	0 ÷ 14.00 pH 0 ÷ 1000 mV	0 ÷ 14.00 pH 0 ÷ 30.0 mg/lCl$_2$ 0 ÷ 10.00 mg/lCl$_2$ 0 ÷ 2.000 mg/lCl$_2$	0 ÷ 14.00 pH 0 ÷ 30.0 mg/lCl$_2$ 0 ÷ 10.00 mg/lCl$_2$ 0 ÷ 2.000 mg/lCl$_2$	0 ÷ 14.00 pH 0 ÷ 1.999 mS 0 ÷ 19.99 mS
Resolution	± 0.01 pH ± 1 mV	± 0.01 pH ± 1 mV	± 0.01 pH ± 0.1 mg/lCl$_2$ ± 0.01 mg/lCl$_2$ ± 0.001 mg/lCl$_2$	± 0.01 pH ± 0.1 mg/lCl$_2$ ± 0.01 mg/lCl$_2$ ± 0.001 mg/lCl$_2$	± 0.01 pH ± 1 µS ± 10 µS
Display	7 - Segments Double Display				
Controls	Analogic				
Calibration	Manual				
Environment Working Temperature	0°C to 50°C - 0% to 95% (non condensing) relative humidity				
Set Points	Two On/Off	Two analogic proportional: pH and Redox	Two On/Off	Two analogic proportional: pH and Chlorine	Two On/Off
Input Impedance	> 10^{12} Ohm	> 10^{12} Ohm	> 10^{12} Ohm 20 kOhm /1,5 kOhm	> 10^{12} Ohm 20 kOhm /1,5 kOhm	> 10^{12} Ohm
On-Off Output	2 Voltage Output				
Chart Recorder Output	Specify when ordering: 0 ÷ 20mA or 4 ÷ 20mA (max 500 Ohm)				
Stand-by / Flow*	Contact Input / Inductive Proximity Switch				
Delay**	Programmable "Power-on" Delay				
Max Resistive Load	5A - 220 VAC				
Power Supply	24, 115, 230 VAC (specify when ordering); 50/60 Hz				
Power Consumption	Average 10W				
Fuse	Instrument and output fuse protections				
Galvanic Isolation	On demand				YES
Casing Material	ABS - IP65 box				
Mounting	WALL				
Dimensions	225 x 215 x 125 mm				
Net Weight	1,2 kg				
Temperature Compensation	pH only: Automatic / Manual 0÷100 °C				Only automatic
Hysteresis	± 0.1 pH ± 10 mV	± 0.1 pH ± 0.1 mg/lCl$_2$	± 0.30 pH ± 35 mV	± 0.30 pH ± 0,35 p.p.m.	± 0.1 pH ± 1/10 µS

*** Stand-by / Flow:** *when the electrode cell is running without water, the controller goes in stand-by mode and the outputs are disabled.*

**** Delay:** *delays the activation of dosing pump or any equipment*

CONTROL PANEL



DOUBLE DISPLAY

7 segment double display facilitates reading in

TWO SET POINT

Each parameter measured has its own indipendent set point.

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sistemi di dosaggio
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