

Signal S500 SERIES

www.signal-pumps.co.uk

S500 MLP multiparametric controller

A high performance microprocessor based instrument, combining pH and temperature, with either redox, free chlorine, conductivity or redox and free chlorine combined. Designed to measure and control in water treatment and chemical process applications. The wide LCD display simultaneously shows the selected parameters, with a user friendly touch membrane key-pad.

It's a versatile and convenient instrument, housed in an IP65 wall mounted enclosure.



- Alphanumeric 2x16 back lit display.
 - 4-20 mA proportional output onset-point, 1 for each measurement with galvanic separation
 - 4-20 mA proportional output on measure range, 1 for each measurement with galvanic separation
 - Adjustable Hysteresys for each set-point
 - Adjustable delay time for each set-point
 - Alarm relay
 - Alarm min/max type (alarm window) 1 for each set-point
 - Output relay for maintenance (probes cleaning)
 - RS232 connection with galvanic separation for remote control (Signal software)
 - Temperature compensation and visualisation
 - Simultaneous parameters visualisation.
- MLP-2 Series**
- Version available pH-Rx, pH-Cl and pH-CD
 - 3 set-points with free contact output relay, On-Off or proportional time/pause mode
- MLP-3 Series**
- Version available pH-Rx-Cl
 - 5 set-points with free contact output relay, On-Off or proportional time/pause mode

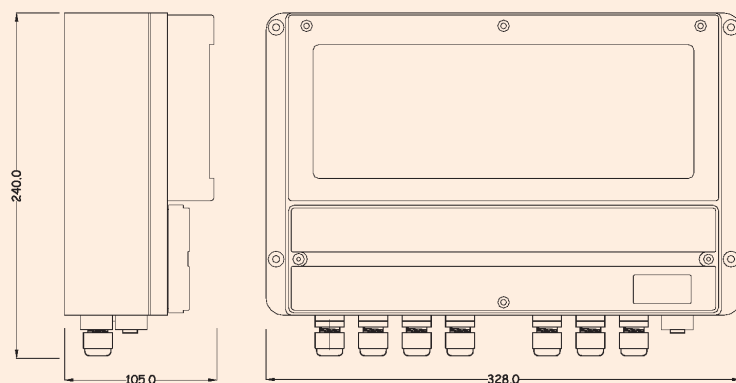
Signal
METERING PUMPS

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TECHNICAL DATA

S500 SERIES - MLP multiparametric controller

Models	MLP2 PH/RX/°C	MLP2 PH/CL/°C	MLP2 PH/CD/°C	MLP3 PH/RX/CL/°C
Measure range	0-14.00 pH 0-1999 mV 0-100°C	0-14.00 pH 0-10.00 ppm 0-100°C	0-14.00 pH 0-19999 µS (K=1) 0-100°C	0-14.00 pH 0-1999 mV 0-10.00 ppm 0-100°C
Resolution	± 0.01 pH/±1 mV ±0.1°C	± 0.01 pH/±1 mV ±0.1°C	± 0.01 pH/±1 µS ±0.1°C	± 0.01 pH/ ±1 mV / ± 0.01 ppm ±0.1°C
Display	alphanumeric 2x16 back lit LCD			
Accuracy	± 1% E.S.			
Controls	Keypad 7 Keys			
Temperature	Manual or automatic temperature compensation 0-100 °C			
Set-point	MLP2: 3 free contact output relay 5 A max 220VCA MLP3: 5 free contact output relay 5 A max 220VCA			
Current output	2 (3 x MLP3) proportional on a set-point 4-20mA 400 max with galvanic separation 2 (3 x MLP3) proportional on the measure range (recorder) 4-20mA 400 max with galvanic separation			
Probes cleaning	Maintenance relay output			
Delay	Adjustable for each set point			
P.i.d.	Time/pause proportioning mode for each set point			
Alarm	Alarm min/max (alarm window) for each set point			
RS 232	RS232 connection with galvanic separation for remote control (Signal software)			
Flow sensor	Output relay freezing via flow sensor control			
Power supply	230 Vac 50/60 Hz (optional 110/ 24 Vac)			
Box	ABS V0, IP65 protection degree			
Dimensions	328 x 240 x 105 mm			
Weight	1843 gr. (MLP2 series) / 1880 gr. (MLP3 series)			



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