

# Signal S500 SERIES

[www.signal-pumps.co.uk](http://www.signal-pumps.co.uk)

## S500 M05 multiparametric controller

A high performance microprocessor based instrument, combining pH and temperature, with either redox, free chlorine or conductivity. 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. Features available are digital and GSM/GPRS communication.



- Back-light graphic display
- Multi-power supply: 100-240 Vac
- 3 set-point with free contact output relay, On-Off or time/pause proportional
- 1 set-point for alarm
- 4-20 mA proportional output on set-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
- 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)
- Optional GSM/GPRS modem connection
- Flow sensor input
- Plastic box IP65 protection degree
- Temperature compensation and visualization

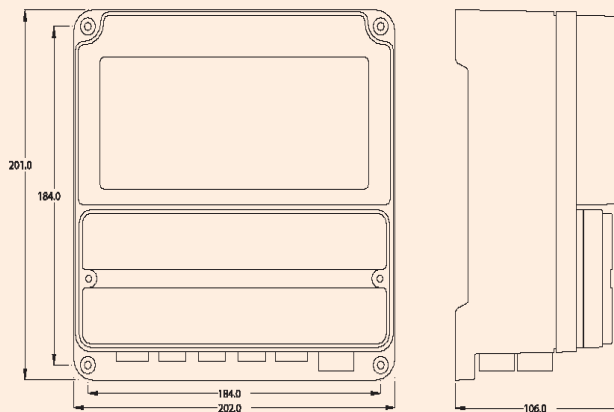
**Signal**  
METERING PUMPS

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TECHNICAL DATA

**S500 SERIES - M05 multiparametric controller**

Models	<b>M05 PH/RX/°C</b>	<b>M05 PH/CL/°C</b>	<b>M05 PH/CD/°C</b>
<b>Measure range</b>	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
<b>Resolution</b>	± 0.01 pH/±1 mV ±0.1°C	± 0.01 pH/±0.01ppm ±0.1°C	± 0.01 pH/±1 µS ±0.1°C
<b>Display</b>	Back lit graphic LCD 128x64		
<b>Accuracy</b>	± 1% E.S.		
<b>Controls</b>	Keypad 7 Keys		
<b>Temperature</b>	Manual or automatic temperature compensation 0-100 °C		
<b>Set-point</b>	4 free contact output relay 5 A max		
<b>Current output</b>	Current output 2 proportional on a set-point 4-20mA 400 max with galvanic separation 2 proportional on the measurement range (recorder) 4-20mA 400 max with galvanic separation		
<b>Probes cleaning</b>	Maintenance relay output		
<b>Histeresys</b>	Adjustable for each set point		
<b>Delay</b>	Adjustable for each set point		
<b>P.i.d.</b>	Time/pause proportioning mode for each set point		
<b>Alarm</b>	Alarm min/max (alarm window) for each set point		
<b>RS 232</b>	RS232 connection with galvanic separation for remote control (Signal software)		
<b>Modem</b>	Optional GSM/GPRS modem connection		
<b>Flow sensor</b>	Output relay freezing via flow sensor control		
<b>Datalogger</b>	internal		
<b>Power supply</b>	100-240 Vac		
<b>Box</b>	In ABV V0 with IP65 protection degree		
<b>Dimensions</b>	202 x 184 x 106 mm		
<b>Weight</b>	1150 gr.		



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