

# Signal S500 SERIES

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

## S500 M20 controller

Available to measure and control in either pH, redox, free chlorine, conductivity or temperature configurations. Microprocessor technology, available in panel, DIN rail or wall mount formats.

Typical applications are: potable water, cooling towers, swimming pools, industry, and agriculture.



- Back lit LCD display
- Available versions:
  - Rack for electric panel
  - DIN rail
  - Wall mounting with suitable box
  - Multiparametric
- 2 Set-point free contact relay output (On-Off)
- 4-20 mA proportional output with galvanic separation, selectable on Set-point 2 or on measurement range (recorder)
- Adjustable delay time
- Proportional time/pause output
- Adjustable hysteresys

**Signal**  
METERING PUMPS

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TECHNICAL DATA

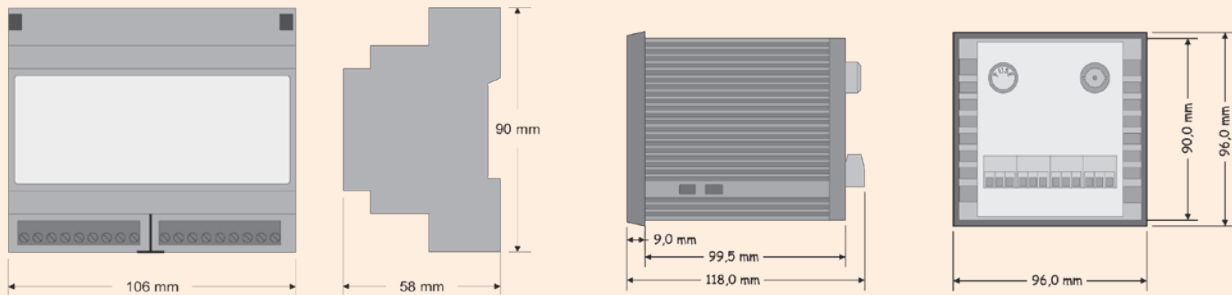
**S500 SERIES - M20 controller**

Models	M20-PH	M20-MV	M20-CL	M20-CD	M20-TEMP	M20DIN-TP
<b>Measure range</b>	0-14.00 pH	0-1000 mV	0-10.00 ppm	0-10.00 $\mu$ S K=5 0-100.0 $\mu$ S K=5 0-1000 $\mu$ S K=5 0-10.000 $\mu$ S K=1	0-100 °C	
<b>Functions</b>	pH measure and control	Redox potential (ORP) measure and control	Free Chlorine measure and control	Conductivity measure and control	Temperature measure and control	External pulse multiplier / divider
<b>Resolution</b>	$\pm$ 0.01 pH	$\pm$ 1 mV	$\pm$ 0.01 ppm	$\pm$ 1% F.S.	$\pm$ 0.1 °C	
<b>Display</b>	LCD 3 1/2 digit back lit					
<b>Accuracy</b>	$\pm$ 1% E.S.					
<b>Controls</b>	Keypad 5 Keys					
<b>Temperature</b>	Manual temperature compensation 0-100 °C					
<b>Set-point</b>	2 free-contact relay ON/OFF load 5A 230vac					
<b>Output</b>	Analogue 4-20mA selectable for recorder or proportional to the set-point 2 with galvanic separation					
<b>Histeresys</b>	Set-point histeresys adjustable					
<b>Delay</b>	Set-point delay time adjustable					
<b>P.i.d.</b>	Set point 2 selectable in proportional time/pause output					
<b>Power supply</b>	230 Vac 50Hz (optional 110 / 24 Vac)					
<b>Consumption</b>	5W					
<b>Box</b>	DIN 6 modules / RACK 96X96					
<b>Dimensions</b>	106 x 90 x 58 mm (DIN) / 96X96X100 mm (Rack)					
<b>Weight</b>	310 gr. (DIN) / 560 gr. (Rack)					

(\*) not available on 96 TB model

D Series

R Series



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