

# M05

## controller

High performance instruments series, wall mounting box, microprocessor technology based to measure and control in water treatment and chemical process applications. The wide graphic display simultaneously shows the parameters and the instrument status. It's a versatile and convenient instrument series, thanks to the RS232 connection that allows the possibility of the PC remote control (Prodoz software) or the GSM modem connection.



- Back-light graphic display
- Multi-power supply: 100..240 Vac
- Hysteresis and delay time adjustable for each set-point
- 1 Alarm point for each set-point
- 1 Alarm relay
- RS232 connection with galvanic separation for remote control (Prodoz software) or GSM modem connection
- Flow sensor input
- Level probe input
- Temperature compensation and visualization

### **Single Measure (+temperature)**

- Two set-points with free contact relays, selectable On-Off mode or proportional time/pause (PWM)
- One 4-20mA proportional output signal with selectable range and galvanic separation.
- One frequency output signal with selectable range

### **Double Measure (+temperature)**

- Three set-points (2 for the pH and 1 for the other measure) with free contact relays, selectable On-Off mode or proportional time/pause (PWM)
- Over time dosing alarm
- 1 Output relay for maintenance (probes cleaning)
- Two 4-20mA proportional output signal (1 for each measure) with selectable range and galvanic separation.
- Two frequency output signal (1 for each measure) with selectable range

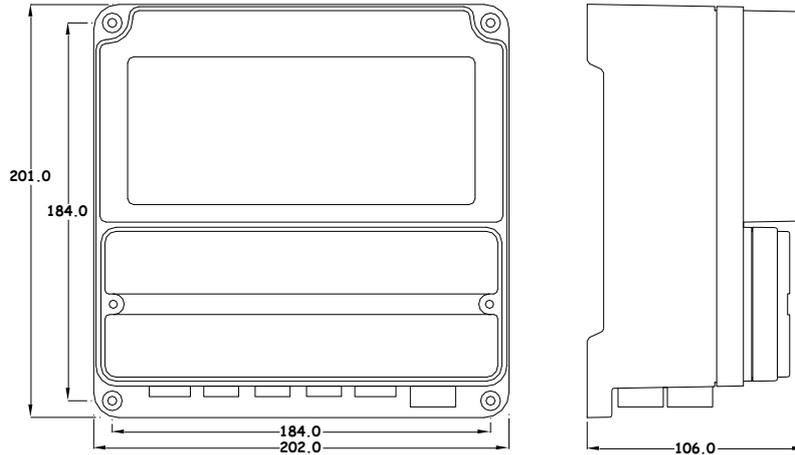
**PRODOZ** measuring technology

Measure and control instruments for water treatment

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Measures	pH	mV Redox	CL (*) Chlorine	CD Conductivity	TB Turbidity	Oxy Oxygen	°C Temperature
<b>Range</b>	0-14.00 pH	0-1999 mV	0-10.00 ppm	0-19.99 mS (K=1) 0-19.99 $\mu$ S (K=5) 0-199.9 $\mu$ S (K=5) 0-1999 $\mu$ S(K=5)	0-20.00 NTU	0-20.00 ppm	0-100.0°C
<b>Resolution</b>	$\pm$ 0.01 ph	$\pm$ 1 mV	$\pm$ 0.01ppm	$\pm$ 1%	$\pm$ 0.01 NTU	$\pm$ 0.01 ppm	$\pm$ 0.1°C
<b>Current output</b>	1 proportional 4-20mA with selectable range - 400 $\Omega$ max - with galvanic separation			2 proportional 4-20mA with selectable range - 400 $\Omega$ max - with galvanic separation			
<b>Frequency output</b>	1 selectable with galvanic separation			2 selectable with galvanic separation			
<b>Set-point</b>	2 output free contact relays (5 A max)			3 output (2 for the pH and 1 for the other measure) free contact relays (5 A max)			
<b>Level probe</b>	1 level probe input			2 level probe input			
<b>Probe cleaning</b>	Not available			Timed relay output			
<b>Display</b>	Backlight graphic display 128x64						
<b>Accuracy</b>	$\pm$ 1% E.S.						
<b>Controls</b>	Keypad 7 Keys						
<b>Temperature</b>	Manual or automatic temperature compensation 0-100 °C						
<b>Hysteresys</b>	Adjustable for each set point						
<b>Delay</b>	Adjustable for each set point						
<b>P.W.M.</b>	Time/pause proportioning mode for each set point						
<b>Alarm</b>	Alarm point for each set point (1 relay available)						
<b>RS 232</b>	RS232 connection with galvanic separation for remote control (Micon software) or GSM modem connection						
<b>Flow sensor</b>	Output relay "freeze" via flow sensor control						
<b>Datalogger</b>	Through computer link						
<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>	1.150 gr.						

(\*) also available the version with amperometric sensor, in this case the measure range depending from the sensor type (see accessory datasheets)



## SİSDOZ ARITMA VE POMPA TEKNOLOJİLERİ SANAYİ TİCARET A.Ş.

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