

# Solenoid Driven Metering Pump



## CTRL4 / CTRL7 / CTRL20 Solenoid Driven Metering Pump

### Features

The automatic monitoring system measures the PH value and Redox/ORP value of water through the relative voltage of probes. Total control & dosing through the desired set-point.

With a compact structure, nice design, professional recognition, easy to install and operate. Digital Metering pump with pH/ Redox control meter on board. Adjustable manual control with proportional dosing flow rate, for the right PH & Redox management.

### Working features

The dosing pump is activated by a PTFE membrane mounted on a piston and electromagnet. When the piston of the electromagnet is attracted, a pressure is produced in the pump body with an expulsion of liquid from the discharge valve. Once the electric impulse is finished a spring brings the piston back to the initial position, with a recall of liquid through the suction valve.

LED indicators control panel to monitor the dosing pump, with electronic micro-control technology. Easy operation without lubrication requested, is almost maintenance free.

NOTE: CTRL series of dosing pumps are based on high-tech electronic microcontroller, strong & reliable components to manage PH or ORP parameters.

### Probe and accessories specifications

Photo	Product code	Product name	Parameter
	87990300	PH probe	Pressures: 7bar Material: epoxy resin Measuring range: 0-14 (With 6m signal line) Electrode diameter: 12 mm (Includes probe holder)
	87990301	ORP probe	Pressures: 7bar Material: epoxy resin Measuring range: ± 1200mV (With 6m signal line) Electrode diameter: 12 mm (Includes probe holder)
	87990302	PH probe buffer solution	2 bottles of buffer solution of PH (pH 4.00 and pH7.00) + 1 bottle for buffering
	87990303	ORP probe buffer solution	1 bottle of ORP buffer solution(465mV) for 50 ml bottle
	87990306	Dosing pipe fittings for CTR4 / CTR7	Pressures: 7bar Material: PVC Screw sizes: 1/2" The maximum resistance at: 60°C
	87990304	Dosing pipe fittings for CTR20	
	87990305	Fixed Accessories	Vertical base and wall-mounted accessories

### Technical features

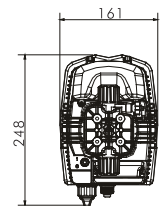
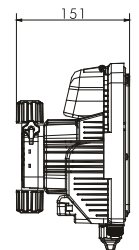
Product Code	Model No.	Pressure (bar)	Max Flow/ Hour [l/h]	Stroke capacity [cc/stroke]	Connection Size in/out[mm]	Frequency max [stroke/min]
88490405	CTRL4-PH	12	4	0.42	4/6	160
		10	5	0.52		
88490406	CTRL4-ORP	8	6	0.63	4/6	160
		2	8	0.83		
88490505	CTRL7-PH	12	7	0.36	4/6	320
		10	10	0.52		
88490506	CTRL7-ORP	5	15	0.78	4/6	320
		1	18	0.99		
88490605	CTRL20-PH	5	20	1.11	8/12	300
		4	25	1.39		
88490606	CTRL20-ORP	2	38	2.11	8/12	300
		0,1	54	3		

### Main features

- Significant number of metering pumps, 16-word dual-line LCD screen, full working status display, automatic recording and storage.
- Built-in PH / ORP monitor, or dosing only.
- Automatically pump flow control is determined in accordance with Monitor PH/ORP value.
- PH, ORP, flow and other automatic/ manual calibration.
- With level gauge input interface, low level alarm.
- Flow meter input, telematics control.
- Password protection.



CTRL4 / CTRL7 / CTRL20



### Installation Diagram

