

## DIGITAL DISPENSING PERISTALTIC PUMPS MODEL D-300



### **D-300-CF4r 4-roller models. Flow rate 0.002 to 1240ml/min.**

The 300 series peristaltic pumps are intelligent pumps that combine flow, timing, and filling dosing functions. They can be operated by buttons or controlled by an external signal or foot switch. They have a full speed emptying function, and the suction angle can be adjusted. The high-definition LCD display shows pump speed, flow rate, operating parameters, and other information on the same screen.

It is a multifunctional intelligent product with the advantages of simple operation, stable and reliable performance, long-term continuous operation, and the ability to save input working parameters.

It is suitable for bioengineering, chemistry, pharmaceutical, hospital, food, production, and research unit laboratories.

It is an essential product for fluid testing and scientific research.

### **SPECIFICATIONS**

Speed range: 0.1 - 300rpm. Resolution: 0.1rpm.

Outlet pressure: 2 bar

Control panel: membrane (ON-Pause), Reverse flow, Maximum flow + Coded switch + RPM control.

Functions: Manual, automatic control, timing, dosing, remote control, purge, suction and calibration.

Remote control modes: 0 →5V, 0 →10V, 4 →20mA, ModBus communication protocol.

Display: full color LCD.

Power: AC100...220V, 50/60 Hz, 3.0A/ Power: <200W.

Environmental conditions: Temperature, 0→60°C; Humidity, < 85%RH

Motor: DC brushless gear motor with step-by-step driver.

314D-4r pump head: tubes: ID 0,5mm to 8.0mm (18#). Wall thickness 1.6mm.

Dimensions: 240mm L x 160mm W x 323mm H. Weight: 3.6kg / Protection: IP31

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**Table of indicative flow rates per channel-314D-4r Pump head**

Tube ID mm ▶	0.5	0.8	1.6	2.4	3.2	4.0	4.8	6.4	8.0
ml / 0.1rpm.	0.002	0.006	0.027	0.05	0.09	0.14	0.19	0.30	0.40
ml / 300rpm	6.0	18.0	80.0	140.0	270.0	500	600	900	1240

Data obtained with water at normal temperature and without back pressure.

### Ordering information

Code ▼	Articles
<b>1.9746.50</b>	Dispensing Peristaltic Pump. Mod. D-300/314D-4r, 100...230V 50/60Hz
<b>1.0078.02</b>	Pump head 314D-4r
<b>1.8760.05</b>	Silicone tube 0.5mm ID,1.6mm TW, 1 meter
<b>1.8760.08</b>	Silicone tube 0.8mm ID,1.6mm TW - (13#), 1 meter
<b>1.8760.16</b>	Silicone tube 1.6mm ID,1.6mm TW - (14#), 1 meter
<b>1.8760.24</b>	Silicone tube 2.4mm ID,1.6mm TW - (19#), 1 meter
<b>1.8760.32</b>	Silicone tube 3.2mm ID,1.6mm TW - (16#), 1 meter
<b>1.8760.48</b>	Silicone tube 4.8mm ID,1.6mm TW - (25#), 1 meter
<b>1.8760.64</b>	Silicone tube 6.4mm ID,1.6mm TW - (17#), 1 meter
<b>1.8760.80</b>	Silicone tube 8.0mm ID,1.6mm TW - (18#), 1 meter

Distributor: