

DIGITAL DISPENSING PERISTALTIC PUMPS MODEL D-300



Models D-300-153YX and D-300-2x153YX. Flow rate 0.002 to 1240ml/min, per head.

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".

Pump Head 153YX: tubes ID 0.5 to 8mm. Wall thickness 1.6mm.

Version with 2 x153YX pump heads installed on the same tractor axle.

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

Ordering information

Code ▼	Articles
1.9746.10	Dispensing Peristaltic Pump. Mod. D-300/153YX, 100...230V 50/60Hz
1.9746.12	Dispensing Peristaltic Pump. Mod.D-300/2x153YX, 100...230V 50/60Hz
1.0078.63	Pump head 153YX
1.8760.05	Silicone tube 0.5mm ID, 1.6mm TW, 1 meter
1.8760.08	Silicone tube 0.8mm ID, 1,6mm TW - (19#), 1 meter
1.8760.16	Silicone tube 1.6mm ID, 1.6mm TW - (14#), 1 meter
1.8760.24	Silicone tube 2,4mm ID, 1.6mm TW - (19#), 1 meter
1.8760.32	Silicone tube 3.2mm ID, 1.6mm TW - (16#), 1 meter
1.8760.48	Silicone tube 4.8mm ID, 1.6mm TW - (25#), 1 meter
1.8760.64	Silicone tube 6.4mm ID, 1.6mm TW - (17#), 1 meter
1.8760.80	Silicone tube 8.0mm ID, 1.6mm TW - (18#), 1 meter

Indicative flows per rpm and pump head

Tube ID ►	0.5mm	0.8mm	1.6mm	2.4mm	3.2mm	4.0mm	4.8mm	6.4mm	8.0mm
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.

Distributor: