

D-300 DIGITAL DISPENSING PERISTALTIC PUMPS



Models D-300-DT/DG-MC2 with 2-channel head and D-300-DT/DG-MC4 with 4-channel head. Individually unlockable channels.

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: ON-Pause membrane, 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.

Foot switch and 1 size of tubes included.

Display: Full color LCD.

Power: AC100...240V, 50/60Hz, 3.0A/ Consumption: <200W

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

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

MC2 or MC4 head with 10-roller rotor: tubes with 1, 2, 3 and 4mm inner Ø.

Size: 240mm L x 160mm W x 323mm H / Weight: 3,6kg / Protection: IP31

Ordering information

Code ▼	Head	Article
1.9746.20	DT/DG-MC2	Complete 2-channel Peristaltic Dispensing Pump with 10 rollers
1.9746.40	DT/DG-MC4	Complete 4-channel Peristaltic Dispensing Pump with 10 rollers
1.8760.101		Silicone tube 1,0mm inner Ø with 2 end connectors for MC, 10 pcs.
1.8760.201		Silicone tube 2,0mm inner Ø with 2 end connectors for MC, 10 pcs.
1.8760.301		Silicone tube 3,0mm inner Ø with 2 end connectors for MC, 10 pcs.
1.8760.401		Silicone tube 4,0mm inner Ø with 2 end connectors for MC, 10 pcs.
1.8760.100		Silicone tube 1,0mm inner Ø, for MC, 1 meter
1.8760.200		Silicone tube 2,0mm inner Ø, for MC, 1 meter
1.8760.300		Silicone tube 3,0mm inner Ø, for MC, 1 meter
1.8760.400		Silicone tube 4,0mm inner Ø, for MC, 1 meter
1.8710.101		Farmed tube 1,0mm inner Ø with 2 end connectors for MC, 10 pcs.
1.8710.201		Farmed tube 2,0mm inner Ø with 2 end connectors for MC, 10 pcs.
1.8710.301		Farmed tube 3,0mm inner Ø with 2 end connectors for MC, 10 pcs.
1.8710.100		Farmed tube 1,0mm inner Ø, for MC, 1 meter
1.8710.200		Farmed tube 2,0mm inner Ø, for MC, 1 meter
1.8710.300		Farmed tube 3,0mm inner Ø, for MC, 1 meter
1.8789.008		Viton ® tube 0,8mm inner Ø with 2 end connectors for MC, 10 pcs.
1.8789.016		Viton ® tube 1,6mm inner Ø with 2 end connectors for MC, 10 pcs.
1.8789.08		Viton ® tube 0,8mm inner Ø, for MC, 1 meter (minimum 15 meters)
1.8789.16		Viton ® tube 1,6mm inner Ø, for MC, 1 meter (minimum 15 meters)
1.0078.41		Pump head DT/DG-MC2, 2-channel, 10 rollers*
1.0078.42		Pump head DT/DG-MC4, 4-channel, 10 rollers*
1.0078.50		MC cartridge, tubeless
1.9740.02		Foot switch (pedal).

*Maximum number of channels by pump, 12

Indicative flow rates per channel and tube. MC pump head

Tube ID mm ▶ rpm ▼	1 mm	2 mm	3 mm	4 mm	Flow ◀ ml/min
At 0,1 rpm	0,006	0,02	0,03	0,06	
At 300 rpm*	18	60	100	180	

Data obtained with water at normal temperature, without back pressures *Speed for intermittent use only.
Maximum speed for continuous use 150rpm

Distributor: