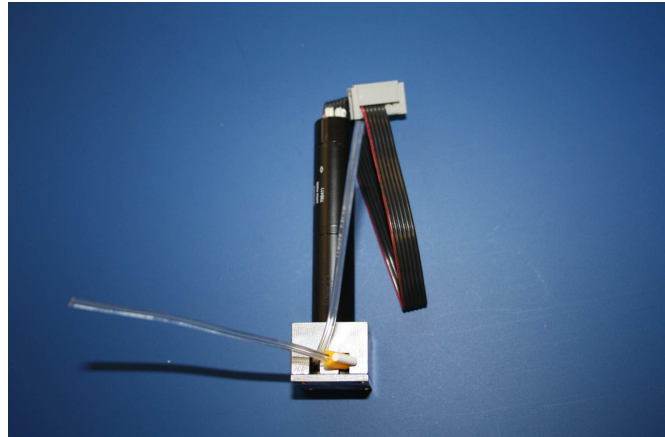


PERISTALTIC PUMP

Type: PP.M*/*.T*

Description

The peristaltic pump PP.M*/*.T* consists of miniature motor with planetary gear and stainless body of peristaltic pump. Optionally the motor is equipped with encoder. The pump has **one channel**. The flow is in one direction. The pump is designed for extremely small applications such as medical or military applications. It can be used in hand-held devices. The lifetime of tubing is optimized to maximal value. The pulsation is minimized for flow cell FC2. The device is supplied by USB connection with PC.



Pumps Types are defined by

PP.M*/*.T* The asterisk is replaced by the appropriate number or letter.

PP	=	Peristaltic pump	
M	=	Diameter of motor / Type	
	-	10	10 mm
	-	13	13 mm
	/	1	Complete set
	/	2	Motor with encoder Compatible with BVT control unit
	/	3	DC Motor with geared DC power 2 wire
T	=	Tube diameter	
	-	S (Standard)	0,504 mm
	-	1	0,127 mm
	-	2	0,254 mm
	-	3	0,750 mm
	-	4	1,016 mm

The pump is provided with 2 spare tubing. Required diameter should be specified by customer: 0,127 mm, 0,254 mm, 0,504 mm, 0,750 mm or 1,016 mm.

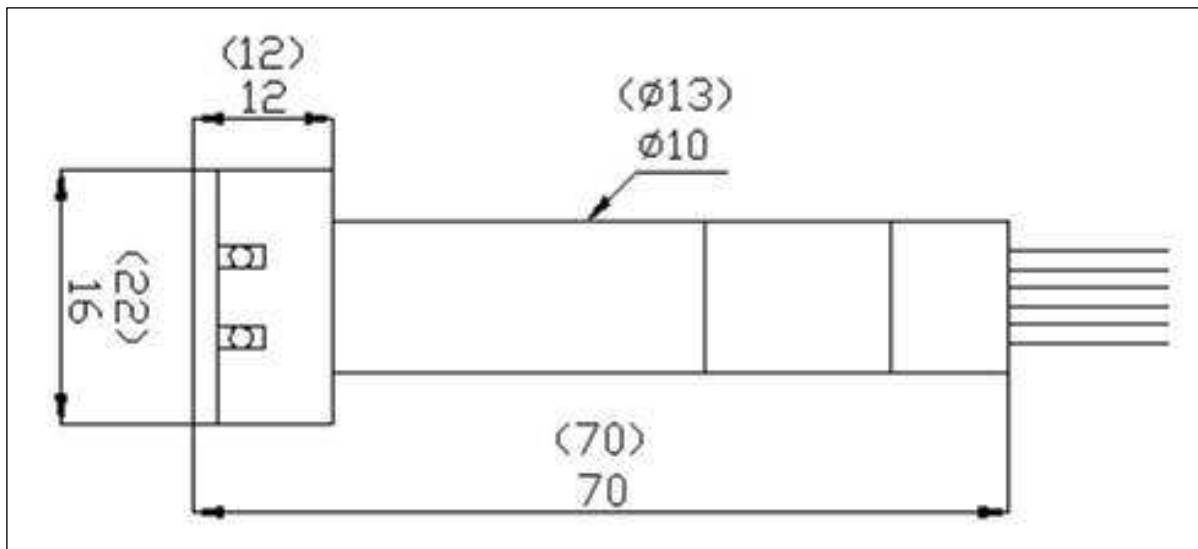
Physical Parameters

Model	Dimensions			
	Length	Height	Width	Weight
PP.M10	16 mm	70 mm	16 mm	32 gms
PP.M13	22 mm	70 mm	22 mm	50 gms

Additional Technical Parameters

- Calibration curve
- Long term stability
- Pulsation

Dimension of PP.M10 (PP.M13)



Technical Parameters

Technical Parameters	Model	
	PP.M10/1.TS	PP.M13/1.TS
3 rollers	•	•
USB supply	•	•
Consumption: 70 mA - 100 mA - 150 mA (min - typical - max)	•	•
Starting current: 500 mA (10 ms)	•	•
Diameter of motor 10 mm	•	
Diameter of motor 13 mm		•
Flow in range: 0,01 - 200 µl/min	•	•
Programming from text file	•	•

Device Usage

Portable device
 Hand-held device
 Low power application

Accessories

Spare tubing
 Tubing with different diameters
 Flow cell FC2

Delivery includes

Type	Delivery includes
PP.M10/1.TS PP.M13/1.TS	Peristaltic pump with encoder Control unit Software - CD Standard tubing - 2 pc. USB feeder USB cable
PP.M10/2.TS PP.M13/2.TS	Peristaltic pump with encoder Standard tubing - 2 pc.
PP.M10/3.TS PP.M13/3.TS	Peristaltic pump with 2 DC power wire Standard tubing - 2 pc.

Ordering Information

- The order is specified by complete product code
- Minimum order quantity - 1 peristaltic pump
- Delivery time for standard PP.M*/*.TS is 4 - 6 weeks from receipt of order
- Delivery time for non-standard PPM*/*.T* depends on final technical specification of order

Example of Order

- 1 piece - PP.M10/1.TS
- 1 piece - PP.M10/1.TS + 2 pieces T1 + 2 pieces T2