

# Peristaltic pump 12 VDC Advanced

Familiar quality in a new improved look!



This peristaltic pump suitable for field use (item no.: 1235) is battery-powered and is microprocessor controlled. The microprocessor provides adjustable constant speed, overload protection and various external control functions. A built-in maintenance-free 12 Volt lithium-ion battery (10 Ah) makes it possible to use the pump for two to five hours at a time (depending on the load). The housing is the highest degree splash-proof (IP 66) and can function safely and without problems in the field.

- Contemporary design
- Digitally controlled peristaltic pump
- Stable pump speed with a constant flow rate between 50 ml-2000 ml/minute
- Display of rotations per minute and battery percentage
- Battery indicator
- Designed for long and frequent use
- To be used with the prescribed silicone tubes
- Suction head up to 6-9 meters
- Basic tool for all groundwater research
- Ideal for purging and sampling with the low-flow sampling method of groundwater monitoring wells

Item	Specifications
<b>Housing</b>	
Dimensions housing (lxwxh)	350x325x155 mm (max.)
Weight excl. lithium-ion battery	7 kg (approx.)
Lithium-ion battery (LiFe PO4) 10 Ah	1.5 kg
Material standard housing	HIPS
Housing interior	Stainless steel
<b>Tubing</b>	
Material pump tube	Silicone
Rigidity pump tube	50°...55° Shore-A
Wall thickness	2.0...2.2 mm
Diameter pump tube (Øinside x Øoutside)	4x8 mm & 6x10 mm
<b>Pump characteristics</b>	
Suction head (depending on ambient conditions) Tube Ø 4x8 mm Tube Ø 6x10 mm	8...9,5 mwc (meter water column) 6...9 mwc
Pressure head (depending on ambient conditions) Tube Ø 4x8 mm Tube Ø 6x10 mm	2.5...3 bar 2.5...3 bar
Minimum flow rate @ 10 rev./min.	ca. 50 ml/min.
Maximum flow rate (depending on height/peripheral factors)	ca. 2000 ml/min.
<b>Electrical</b>	
Prescribed lithium-ion battery (LiFe PO4) 10 Ah	12.8 VDC
External power supply	12 VDC 3.34 A
<b>Ambient-/operational conditions</b>	
Temperature	-10...+40°C
IP-class	Min. IP-66 (dust- and splash proof)
Relative air humidity	0...100%
<b>Certification</b>	
CE	CE-conform
Machinery directive	2006/42/EC
EMC directive	2014/30/EU
RoHS directive	2011/65/EU
WEEE directive	2012/19/EU