



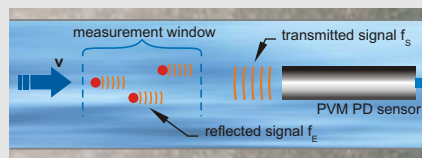
- No mechanically moving parts
- High accuracy
- Long battery lifetime
- Easy operation
- Lightweight
- No build-up

PVM PD Meter Unit

PVM PD Telescope Sensor

PVM PD

The PVM PD is a portable ultrasonic impulse metering unit for flow velocity measurement. It is suitable as verification measurement for any kinds of water in open channels and flumes.



The meter stands out for its high accuracy, easy operation and a light, robust construction. The unit is supplied by an internal 12 V DC rechargeable battery pack.

Flow velocity readings are indicated digitally and instantaneously. It is possible to integrate individual velocities from a free selectable period.

The PVM PD achieves very high accuracies even in turbulent and heavily fluctuating flow conditions.

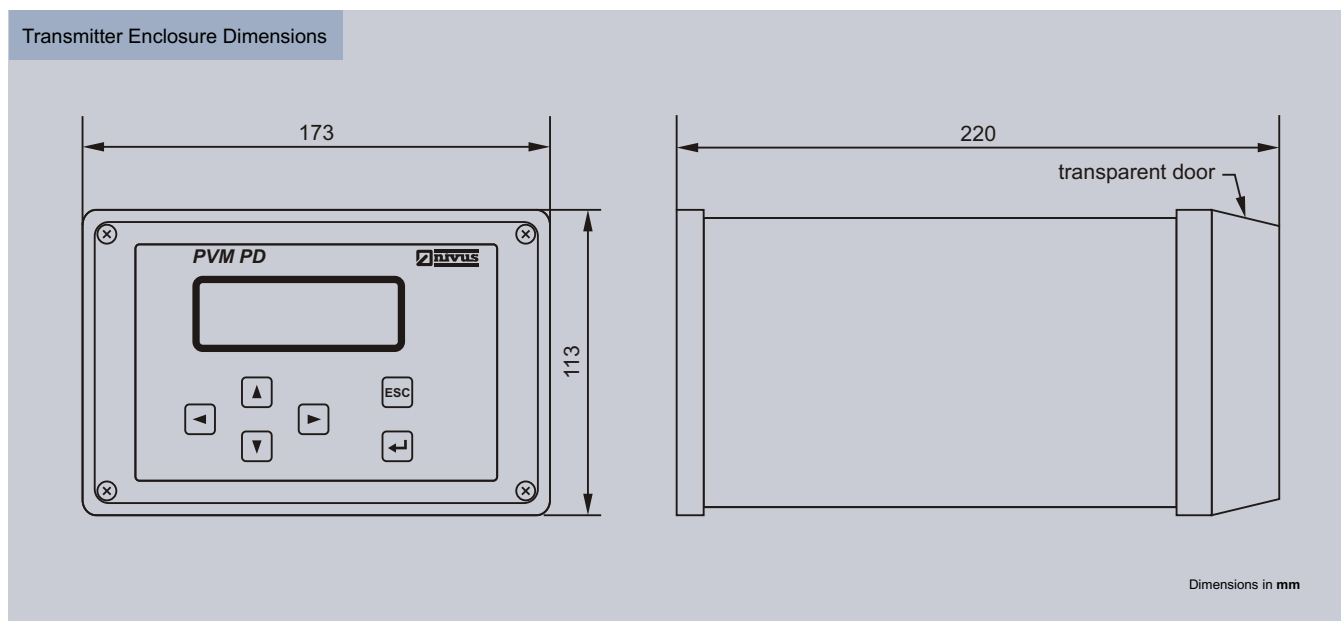
The completely encapsulated and watertight sensor utilises the well-known ultrasonic impulse method.

The flow-optimised construction has been implemented keeping easy operation in mind. It is possible to adjust the sensor's angle of incidence and to meet local requirements by using the telescopic wading rod.

The PVM PD operates without mechanically moving parts and hence is particularly suitable for measurements in polluted water. Suspended solids, such as fluff, paper or similar substances disturbing mechanic flow velocity pickups, cannot influence the measurement results.



## Specifications



Transmitter		Sensor (optional)	
Measurement range	velocity: 0 to 3 m/s	Transm. frequ. (pulsed)	750 KHz
Measurement uncertainty	(at c= 1485 m/s) 1 % of reading or ± 0.01 m/s; whichever is greater	Measurement window	position 6 cm (on horizontal axis in front of sensor) length 3 cm diameter 1.6 cm
Power supply	internal rech. lead battery, 12 V / 2 Ah	Min. particle requirements for signal reflection	500 µm, 100 ppm
Battery lifetime	4 to 6 hours	Operation temperature/temperature compensation	0 °C to 60 °C
Connection sockets	• 1 x sensor, • 1 x battery charger	Connection cable	10 m, 15 m, 20 m or 30 m with plug to electronics module
Operation temperature	0 °C to 50 °C	Material	stainless steel and Polyurethane
Storage temperature	-5 °C to 60 °C	Sensor fastening	continuous tilting holder on telescopic wading rod (material: Aluminium) extendable from 0.7 m to 1.6 m with spirit level
Display	LC display (4 x 20 characters)		
Operation	6 keys		
Enclosure	lacquered aluminium with shoulder strap		
Protection	IP65		
Weight	3.75 kg		

You can find more information in the instruction manual or on [www.nivus.com](http://www.nivus.com)

## Accessories

Battery charger	<ul style="list-style-type: none"> <li>• primary: 230 V AC</li> <li>• secondary: 12 V / 500 mA</li> </ul>
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