



## Application note

**pegasor**

### *Pegasor Air Supply Unit for mobile measurements*

Mobile air supply MP02 for PPS-M and MP01 for Mi3 supply laboratory grade dry and particle free air for mobile use of Pegasor sensors.

MP02 has all the needed components inside the pump unit to supply good quality air at right pressure. MP02 for has an automatic internal shut off valve to ensure that only dry and particle free air is delivered to the sensor. Additionally there is a pressure valve inside the pump unit in order to set supply air @ 1.5 bar overpressure.

Condensation water is collected in a container in the back of the unit. This can be drained manually and it also drains itself when full. Please note that water removal only works when the unit is mounted horizontally as in the pictures below.

Mobile pump unit MP01 for Mi3 is similar to MP02, except that pressure controller and moisture protection is inside Mi3.

MP02 and MP01 pumps operate at 12 VDC. Necessary adaptors from 24 VDC to 12 VDC are included in pump shipment.

Air outlet

Connector for Pegasor  
24/12VDC Converter  
PMIA01

Main switch



Water Cup for condensed water  
drainage for visual check  
(Manual drain from black plastic knob,  
right hand thread opening  
counterclockwise)



#### **Technical specifications:**

Article code: MP02

Operating voltage: 12VDC

Motor rating: 300 Watts

Maximum current drawn: 25 Amp

Capacity: 10 litres per minute

Operating temperature: +5°C ... +40°C

Dimensions: 410 mm \* 505 mm \* 195 mm

Weight: ~ 15 kg