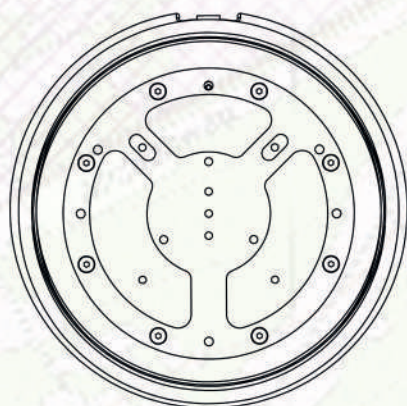
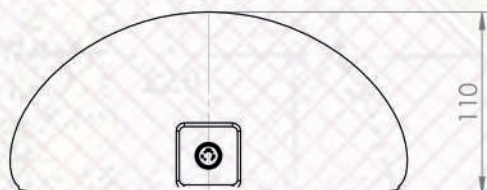
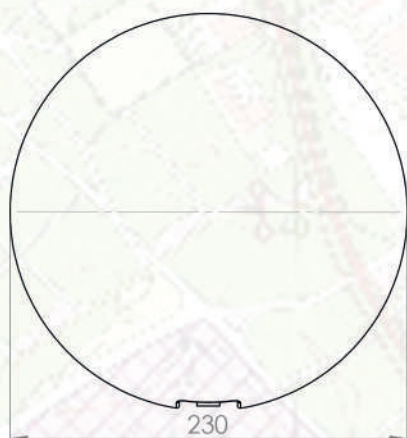


Technical Specifications



Acoustic Multi-Mission Sensor (AMMS) 18/11 23cm

The AMMS 18/11 is a directional outdoor acoustic sensor node.

The AMMS consist of:

- 2D sensor node, comprising of:
 - 2 acoustic particle velocity sensors (Microflowns)
 - 1 sound pressure microphone
- Electronics for:
 - signal processing (DSP)
 - powering
 - communication
- Sheet metal casing
- Weatherproof windcap

AMMS 18/11 23cm



Specifications - AMMS 18/11 23cm

AMMS Details

Size	11 x \varnothing 23 cm
Weight	1.3 Kg
Power	1.5 W

Electronics

Operational Voltage	12 VDC (nominal voltage)
Current	0.125 A
Power Isolation	Yes
Reverse Polarity Protection	Yes
DSP Sample Frequency	48 kHz
Communication protocol	AVISA bus
Windcap	Weatherproof

Connections

Port 1	AB input (4-pin)
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Mechanical

Structure	Stainless Steel housing Layered foam windcap Rubber seal rings
Power/Data Connection (Port1)	4-pin, environmentally sealed

Environmental

Operating Temperature	-40°C + 85°C ($\pm 1^\circ\text{C}$)
Storage Temperature	-20°C + 70°C

