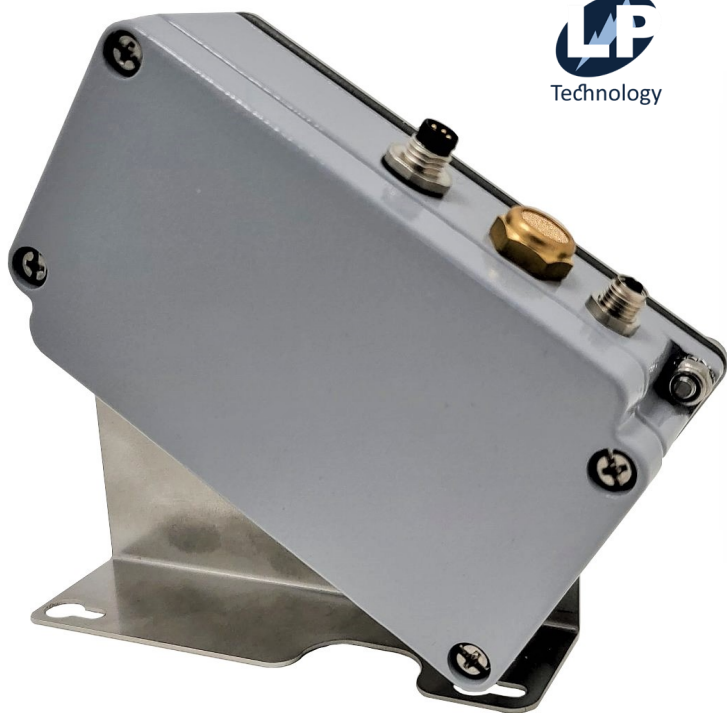


PREMO Lite

Product code: 003574



Main features

- Precision
- Robust
- Easy maintenance
- Plug and play

PREMO Lite is a sensor from the PREMO range, designed and manufactured by PULSONIC, offering reliable measurement of atmospheric pressure for all meteorological applications. Consuming very little energy, it is dependable, easy to install, and maintain, possessing all the necessary features to meet the expectations of meteorological services.

PREMO Lite enables the measurement of atmospheric pressure for climatological or agrometeorological applications.

Precision

With an impressive accuracy of ± 0.18 hPa at 20°C, **PREMO Lite** provides sufficient precision to meet the rigorous demands of these varied applications, ensuring dependable and precise measurements.

Robustness

PREMO Lite is protected by its waterproof aluminum cast housing. It is typically installed in the solar generator enclosure, also made of aluminum cast, housing the central unit.

Simplified Maintenance

Maintenance operations are simplified by the integration of a waterproof connector. This feature facilitates rapid cable disconnection during

routine maintenance procedures, optimizing servicing tasks.

Plug and play

PREMO Lite incorporates PULSONIC's 'plug & play' technology. Indeed, **PREMO Lite** is automatically detected by the P4-100 acquisition central unit. No additional configuration is necessary, greatly simplifying installation and maintenance operations in the field!

Technical specifications

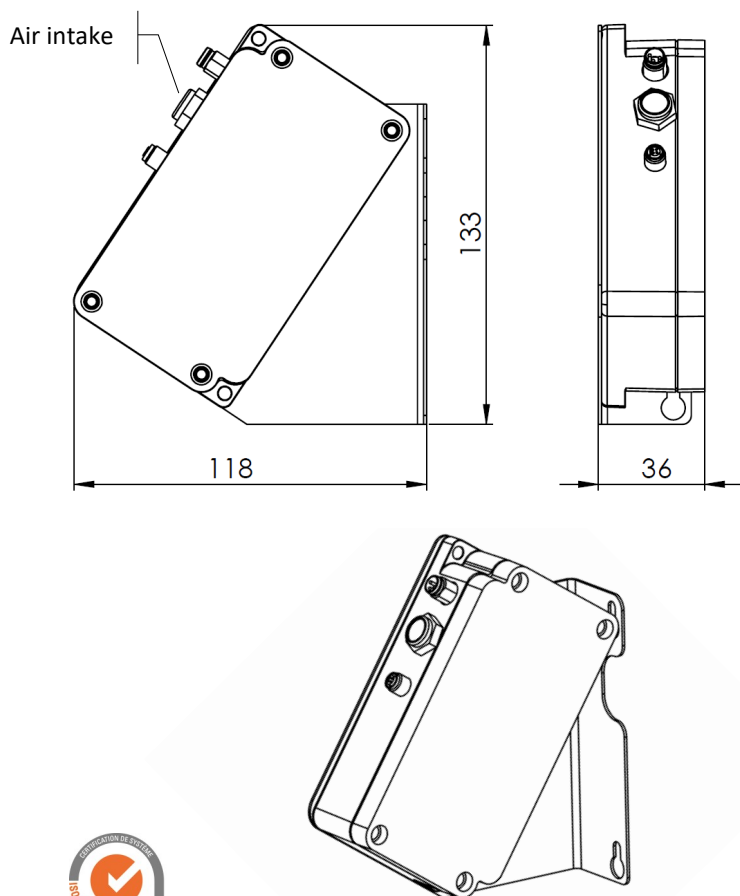
Atmospheric air pressure

Measuring range	300 to 1100 hPa
Resolution	0.1 hPa
Total accuracy at 20°C	± 0.18 hPa
Long-term stability (per year)	± 0.16 hPa/year

Data generated* (WMO compliant)

Atmospheric pressure (hPa)
Atmospheric pressure at sea level (hPa)
Minimum atmospheric pressure at sea level (hPa)
Maximum atmospheric pressure at sea level (hPa)
QNH (hPa)
QFE (hPa)

*Data generated by the P4-100 data logger



General

Electrical characteristics

Input power supply	+5 Vdc
Typical power consumption	105 µA
Cable connector	Binder M8
Communication	PULSONIC LAN
Output signal	Digital
Technology	Piezoresistant silicon
Air intake	Protected by a filter
Time constant	6s
Temperature compensator	Yes, integrated

Environment

Operating temperature	-40 to 70°C
Storage temperature	-40 to 70°C
IP Class	IP67

Maintenance

Recommended calibration	Every 2 years
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Mechanics

Material	Aluminum cast
Weight (Sensor)	485 g
Dimensions (length x width x height)	134x118x36 mm
Cable length	0.4 m



Did you know that?

When the **PREMO Lite** barometer is installed in the solar generator, it filters out the effect of dynamic pressure due to strong winds and gales that could distort the measurement

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