

closer to the climate



Weather station EXPERT

LAMBRECHT
meteo

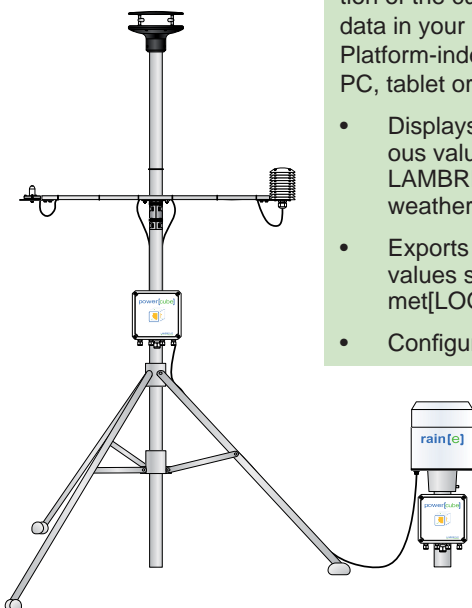
These high-quality sensors combined with high-performance communication technology guarantee in addition to reliable and precise measurement data unrestricted availability of the measured environmental parameters.

- ✓ visualisation of your data via integrated met[APP] in your web browser
- ✓ no additional software needed
- ✓ robust, high-quality materials assure longevity and precision on highest level
- ✓ simple and quick installation via plug & play



met[APP] · Our browser app which is integrated in the met[LOG] · for easy visualisation of the current weather data in your network. Platform-independent on your PC, tablet or smartphone.

- Displays the instantaneous values of your LAMBRECHT meteo weather station
- Exports the measured values stored by the met[LOG]
- Configures the met[LOG]



Ultrasound sensor u[sonic]
for wind speed and direction · sea-water resistant sensor, perfectly heated · easy installation and maintenance-free



Precipitation sensor rain[e]
Latest weighing technology combined with a self-emptying collecting system · amazing resolution and accuracy · compact and robust construction with a very low weight · weatherproof and durable



Temp./humidity sensor 8093.11
Proven environmental measurement technology · sensor shelter, optional artificial ventilation



Pyranometer 16103.5
easy to mount and install · adjustment with ball levelling mechanism



Air pressure sensor module
integrated in power[cube]



Data logger met[LOG]
Plug & play · visualisation in web browser · alarm generation with hysteresis or window function; alarm output via 4 digital outputs, 8 logically connectable warning channels

power[cube]: all-weather-resistant power pack · rounds off the station regarding power supply and communication.

MeteoWare-CS (option)
Professional software for data visualisation, storage and export

Mast system
Modular mast system with sensor adapters and clamps · for meteorological sensors



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Your advantages

- LAMBRECHT meteo environmental measurement stations are completely preconfigured.
- Easy installation, and the wiring needs minimal effort.
- Sensors are extraordinary precise, robust and durable.
- Data storage lasts for a whole year.
- Minimal maintenance costs due to best product quality
- Continuous data transfer via Ethernet protects against data lost.
- Evaluation software and cable are included in scope of delivery.

Technical data

Operating temp. range:	-30...+70 °C
Supply:	90...264 VAC
Power rating:	2 x 156 W
Output power supply:	24 VDC

Applications:

- professional meteorology
- hydrology
- Weather services
- severe weather warning
- high-precision measurements

Weather station EXPERT (Id-No. 30.00851.100 000)

consisting of:

Ultrasonic wind sensor u[sonic]

Wind direction Meas. range: 0...359.9° · Accuracy: < 2° (> 1 m/s) RMSE

Wind speed Meas. range: 0...75 m/s
Accuracy: ± 0.2 m/s RMSE (v < 10 m/s);
± 2 % RMSE (10 m/s < v < 65 m/s)

Precipitation sensor rain[e]

Meas. range: 0...20 mm/min resp. 0...1200 mm/h
Resolution: 0.001 mm/min resp. 0.001 mm/h
Accuracy: ± 0.1 mm/min resp. ± 6 mm/h

Temperature/humidity sensor (8093.11)

Temperature Meas. range: -40...+60 °C
Accuracy: ± 0.2 °C at -27...+60 °C
Plus: ± 0.007 °C/ °C at < +10 °C and > +40 °C

Relative humidity Meas. range: 0...100 % r. h.
Accuracy: ± 2 % r. h. at 5...95 % r. h. • +10...+40 °C
Plus: < 0.1 % r. h./ °C at < +10 °C and > +40 °C

Sensor shelter (8141.6)

11 lamellas, natural ventilation of the sensors

Pyranometer (16103.5)

Meas. range: 0...1600 W/m²

Air pressure sensor module (63.06010.090 100)

Meas. range: 600...1100 hPa
Accuracy acc. to international standards (NIST): ± 0.5 hPa

Data logger met[LOG]

Ethernet: 10/100 BaseT • connector RJ45 shielded
Interface: 3 x RS 485 (1 x freely configurable)
Input: 4 analogue/ digital inputs (2 x freely configurable)

2 x Power supply power[cube]

Power: each 150 W
Output: 24 VDC

Tripod mast, height 2.5 m, aluminium-made, with mounting material