

closer to the climate



## Weather station ENGINEER



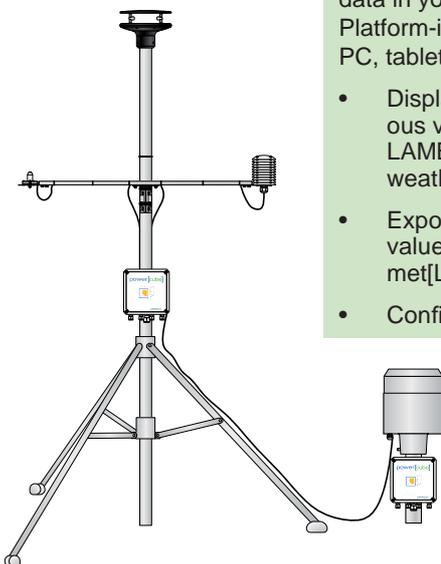
These high-quality sensors combined with high-performance communication technology guarantee in addition to reliable and precise measurement data unrestricted availability of the measured environmental parameters.

- ✓ 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 15189**  
Weather proven all-metal housing · precise tipping bucket bearing · reliable long-term operation



**Temperature/humidity/pressure sensor 8095**  
Proven environmental measurement technology · sensor shelter, optional artificial ventilation



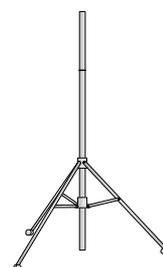
**Pyranometer 16106**  
Silicon pyranometer · easy alignment using the integrated circular level



**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:	-20...+70 °C
Supply:	90...264 VAC
Power rating:	2 x 156 W
Output power supply:	24 VDC

### Weather station ENGINEER (Id-No. 30.00851.200 000)

#### consisting of:

#### Ultrasonic wind sensor u[sonic]

<i>Wind direction</i>	Meas. range: 0...359.9° · Accuracy: < 2° (> 1 m/s ) RMSE
<i>Wind speed</i>	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 ECO, 2 cm<sup>3</sup> (15189)

Meas. range: 0...8 mm/min • Resolution: 0.1 mm
Accuracy: ± 2 % with intensity correction

#### Temp./humidity/air pressure sensor THP (8095)

<i>Temperature</i>	Meas. range: -40...+70 °C Accuracy: ± 0.3 °C at (v > 2 m/s) • ± 0.4 °C (10...40 °C) • ± 0.8 °C (-10...70 °C)
<i>Relative humidity</i>	Meas. range: 0...100 % r. h. Accuracy: ± 3 % (10...90 %) r. h. • ± 4 % (0...100 %) r. h.
<i>Barometric pressure</i>	Meas. range: 500...1100 hPa Accuracy: ± 2 hPa (-30...+70 °C) • ± 1 hPa (-10...+60 °C)

#### Sensor shelter (8141.6)

11 lamellas, natural ventilation of the sensors

#### Pyranometer (16106) Meas. range: 0...1400 W/m<sup>2</sup>

#### 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

### Applications:

- hydrology
- building technology
- power plants
- industry ...
- for highly accurate meteorology optional with precipitation sensor rain[e]

For applications demanding higher precision we recommend our weighing precipitation sensor

rain[e]

The unique self-emptying collecting system of the rain[e] allows single drop measurement at the high resolution of 0.001 mm/m<sup>2</sup>.

