LoRaWAN® weather station

enginko® integrates a LoRaWAN® communication system in a Davis Instruments Vantage Pro2 Weather Station. The station, rugged and flexible, is equipped with a wide range of sensors and it offers reliable weather data under the most demanding circumstances.

Temperature	Humidity	Pressure	PM 1.0-2.5-10	UV	Rain	Wind	Solar rad.	Forecast

Tripod / Pole mount

Reliable
Built with **outstanding quality** parts, for many years of service with minimal maintenance

Modular
Different configurations available to **adapt** to different use cases

Adaptable
Also for smart cities with **particulate matter** sensor to measure air quality

5W

Self powerered with a 5W solar panel

MCF-LWWS00/01/02/03

LoRaWAN® weather station

Applications

- Smart Agriculture
- Industry
- Smart City
- Waste station control

- WEATHER STATION -

MY CITY 23 MAY

MONDAY
HUMIDITY 20%
~23° ~27

23° CLEAR

TUESDAY		20°
WEDNESDAY		18°
THURSDAY		15°
FRIDAY		14°
SATURDAY		16°
SUNDAY		19°

Designed by Freepik

Parameters

- Inside and outside temperature and relative humidity
- Barometric pressure
- Rainfall
- Dew point
- Wind speed/direction (detachable)
- PM1, PM2.5, PM10 (*1)
- Solar radiation (*2)
- UV sensor (optional)

Specifications

- Wind Direction 0°- 360° ±3°
- Temperature range -40°C + 65°C ±0.3°C
- Relative Humidity from 0% to 100% ±2%
- Atmospheric pressure from 880 to 1080 hPa ±1hPa
- Rain range 0 to 6553 mm ± 4%
- PM sensor PM1\PM2.5\PM10 ±15% (*1)
- Solar Radiation 0 -1800W/mq ±5% (*2)
- Class A LoRaWAN® stack EU868, AS923, AU915, US915
- 5W Solar panel powered with 12Ah battery, 6V
- Mounting Tripod with Lag Bolts (*3) or Pole kit (*4)

LoRaWAN®

(*1) available only on MCF-LWWS01 and MCF-LWWS03
(*2) available only on MCF-LWWS00 and MCF-LWWS01
(*3) MCF-LWWS00 and MCF-LWWS01
(*4) MCF-LWWS02 and MCF-LWWS03

Models & options	PM sensor	Radiator Sensor	UV sensor	Tripod + lag bolts	Pole mount
MCF-LWWS00		✔	OPT	✔	
MCF-LWWS01	✔	✔	OPT	✔	
MCF-LWWS02			OPT		✔
MCF-LWWS03	✔		OPT		✔

MCF-LWWS00/01/02/03
official web page: