



## LoRaWAN<sup>®</sup> weather station

enginko<sup>®</sup> integrates a LoRaWAN<sup>®</sup> 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



**Self powered**  
with a **5W solar panel**

# MCF-LWWS00/01/02/03

## LoRaWAN® weather station

### Applications

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



Designed by Freepk

## 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)



Models & options	PM sensor	Radiation sensor	UV sensor	Tripod + lag bolts	Pole mount
MCF-LWWS00		✓	OPT	✓	
MCF-LWWS01	✓	✓	OPT	✓	
MCF-LWWS02			OPT		✓
MCF-LWWS03	✓		OPT		✓

(\*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

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



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