MCF-LW06DAVK

Davis to LoRaWAN® interface Kit

MCF-LW06DAVKP

Davis to LoRaWAN® interface Kit with PM sensor

mcf88 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 and gives these variables:

- Inside and Outside Temperature and Relative Humidity
- Barometric Pressure
- Rainfall
- Dew Point
- Wind Speed and Direction sensors (detachable)
- Solar radiation
- PM1, PM2.5, PM10 (only available in MCF-LW06DAVKP)

The kit MCF-LW06DAVK can be installed in an existing Davis Vantage Pro2 station. This allows to upgrade the station to a LoRaWAN® connectivity. Further, the MCF-LW06DAVKP kit adds a PM measurement system to the existing station. These kits include all necessary hardware to be installed in the station.

Characteristics (kit installed on a Davis Vantage Pro2 station):

- 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%
- Solar Radiation 0 -1800W/mq ±5%
- PM sensor PM1\PM2.5\PM10 ±15%
- Data transmission Class A LoRaWAN stack EU868, AS923, AU915, US915 @868MHz
- 5W Solar panel powered with 12AH battery, 6V
- Mounting Tripod with Lag Bolts

Applications:

- Smart Agricolture
- Industry
- Smart City
- Waste station control

Data visualization on mcf88 "Cloud8816wan" web Cloud platform:

6 °C

Feels like 6°

ENE 1 m/s

1027 hPa

87 m

8:47 AM

4:52 PM

City	**Amsterdam**
Location	**Noord-Holland (Netherlands)**
Time zone	**(UTC+01:00) Amsterdam**
Coordinates	**52° 22' 53" N 004° 52' 6" E**
Altitude	**2.2 m**
Height	**12 m**
Brand	**Davis Instruments**
Model	**Vantage Pro2 Plus**
Website	
Description	