

μMetos® blue

EASY TO OPERATE AND ROBUST DATA-LOGGER WITH BLUETOOTH TECHNOLOGY

μMetos® blue: wide range of sensors for on-site measurement of key parameters. Easy download through Bluetooth connection to your smartphone

μMetos® blue is the Metos® range product to be used where GSM network is not accessible. The easy download with smartphones via Bluetooth and the upload from the smartphone to the web platform FieldClimate.com make the data accessible to multiple users and store them for future use.

Where the convenience of iMetos® stations cannot be used due to cellular network unavailability, it is possible to profit of the features of the FieldClimate platform thanks to the features of μMetos® blue.

μMetos® blue is a battery powered data-logger with Bluetooth interface and is powered by lithium primary cells. It is easily installed in the field as no infrastructure is needed. The data logger has a large memory of about 2 years of data storage. Data is permanently measured in intervals of 5 minutes. Data download is made with a Bluetooth enabled smartphone; after download, once the smartphone connects to the internet, all the data is synchronized on FieldClimate.com where it stored for future use and can be accessed by multiple users.

μMetos® blue major features:

- Easy to install and operate
- Long-lasting battery (7 years duration)
- 2-years data memory buffer
- 5-minutes interval measure of parameters
- Easy data download
- Data storage and evaluation on FieldClimate.com



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How does µMetos® Blue work?

You need to have the µMetos® blue APP installed on your iPhone (IOS) or Android Smartphone or Tablet. The Bluetooth function needs to be activated and then you couple the Smartphone with µMetos® blue the first time. µMetos® blue is then deployed at the monitoring side. Next time you pass by that side in around 10-40 meter radius your data will automatically synchronize wirelessly with your device. You can instantly see the data on the display of your mobile device. Once you connected your Smartphone to the internet this data is automatically transferred to FieldClimate.com where data is stored over years and made available in graph or tabular form. One smartphone will handle up to 100 µMetos® blue devices.

What is the benefit for me?

Using a µMetos® blue station, gives you access to the top quality technology normally used in Pessl Instruments stations. µMetos® blue is not just a simple data logger - there is additional technology and you will still be accessing all useful features already available on FieldClimate.

Technical details

- Power supply: one 3.6V Lithium primary cell with 19.000 mAH (7 years operation)
- Model/Type: processor PIC24 – Bluetooth 3.0
- Expected bluetooth range: 10-40 meters

Sensors supported:

- Pessl Instruments tipping bucket rain gauge 0,2 mm (0,01 inch) or read out of flow meters
- Wind speed
- Solar radiation
- Pessl Instruments pressure switch
- 4 soil moisture sensors (Watermark, full line of Decagon sensors)
- 2 Pessl instruments temperature sensors (e.g. wet and dry bulb for frost detection; 1 soil and 1 air temperature etc.)
- Hygroclip 2: air temperature and relative humidity

All technical data is not binding and can be changed any time without prior notice.

