

ENGLISH



μMETOS

QUICK USER MANUAL

Frost monitoring configuration

μMETOS 29-0409
2X WM Temperature sensors

Pessl Instruments GmbH

Werksweg 107, 8160 Weiz,
Austria
office@metos.at
+43 317 255 2



SENSOR CONNECTION

1. **Connect WM Temperature sensors on dedicated TEMP-1 and TEMP-2 inputs**

- a. By default, these sensors shall be recognised as Air and Soil temperature sensors respectively

1. **WET and DRY SENSOR TERMINAL CONFIGURATION**

- a. Go to MAIN MENU in PI Terminal after connecting the station to the computer
- b. Select option C: Sensor settings
- c. Select option 7: Sensor Type on TEMP-1 input (select option 2 Dry bulb temperature) and press enter
- d. Select option 8: Sensor Type on TEMP-2 input (select option 3 Wet bulb temperature)

1. **FROST MONITORING ENABLING**

- a. Under Option C: Sensor settings menu:
 - i. Select M -Setup frost monitoring (TEMP-1/TEMP-2)
 - ii. Select option 1 - Enable and press enter

1. **SENSOR TESTING AND SAVING CONFIGURATION**

- a. Do a sensor Test (option 5)
- b. Select option 8 to save the sensor configuration



Photo of connect PI WM temperature Sensors on dedicated TEMP-1 and TEMP-2 inputs

Table display terminal menu configuration of wet and dry bulb on μ METOS

MAIN TERMINAL MENU	SENSOR SETTINGS																																			
MAIN MENU: 1 - Print system info 2 - Print last raw data of data memory 3 - Print all raw data of data memory 4 - Print sensors configuration set 5 - Sensor testing 6 - Print all control registers of data memory 7 - Print DataFlash memory organization 8 - Make a new sensors configuration set 9 - Print the list of supported sensors A - System setup C - Sensor settings D - Delete all stored data S - SDI12 bridge mode L - Print modem info P - Setup modem parameters M - Modem bridge mode T - Test (force) data transmission G - Get new GNSS position Z - FW Upgrade	A - System setup C - Sensor settings D - Delete all stored data S - SDI12 bridge mode L - Print modem info P - Setup modem parameters M - Modem bridge mode T - Test (force) data transmission G - Get new GNSS position Z - FW Upgrade SENSOR SETTINGS: 1 - Sensor type on RAIN -> Rain Gauge 2 - Sensor resolution on RAIN -> 0.2 mm 3 - Sensor type on SENS-1 -> PI-BUS 4 - Sensor type on SENS-2 -> PI-BUS 5 - Soil media type -> Mineral soil 6 - Pulse length test (on RAIN input) 7 - Sensor type on TEMP-1 -> Air temperature 8 - Sensor type on TEMP-2 -> Soil temperature M - Setup frost monitoring (TEMP-1/TEMP-2) -> Disabled																																			
TEMP-1 CONFIG (DRY BULB)	TEMP-2 CONFIG (WET BULB)																																			
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ENABLE FROST MONITORING	SENSOR TEST																																			
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NOTE: This configuration settings is supported only on μ METOS Firmware versions 3.25 20250211 or later.