MUV 2.4 WR

Reference radiometer

System-Features

- Approved by ÖNORM/ DVGW
- Repeatable measuring-results
- PTB-traceable results

Advantages

- User-friendly with battery operation
- Splash water resistant according IP65
- Robust metal housing
- Measured data storage

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Reference radiometer

The mobile UV-reference meter MUV 2.4 WR is designed as a reference unit in accordance with **DVGW W294 and / or ÖNROM M5873** relating to UV-sensors. It is made to control UV-systems for drinking water disinfection and delivers **PTB (Physikalisch Technische Bundesanstalt) traceable** results.

In operation, the reference sensor is placed in the sensor port instead of the system sensor.

Features

A sealed and robust metal housing protects the device against external impacts and assures a protection rating to IP65. The measuring device is equipped with a 2-line LCD-display with backlight, automatic measuring range changeover and can be easily operated via three buttons.

The exchange of a sensor is detected with an automated process.

Charging of the MUV 2.4 WR is taken care of by a power supply cable provided. All measured values can be read by computer via a serial RS232 interface.

Measuring operation

The display always shows the radiation intensity in W/m², measured by the sensor connected. This intensity is referenced using the appropriate DVGW/ ÖNORM-norm. During the measuring process, automated switchover selects an effective calibration range as required.

The reference radiometer MUV 2.4 WR can be used with **low-pressure** and **medium pressure lamps**.

Calibration and certification

The radiometer is designed to control the calibration of system sensors in accordance with DVGW-/ ÖNORM-certified installations. After switch-on, the unit identifies the connected sensor and selects a suitable calibration value. Special software is available for the calibration, allowing corrections without intervention to the device. This software is provided to approved calibration institutions.

It is recommended to check the MUV calibration regularly, 12 months is usual. As the sensors are calibrated to the unit, all components must be returned for this service.

Technical Data

Housing	Aluminium (soft black)
Dimensions (WxDxH)	105 x 230 x 35 [mm]
Weight	790 g incl. sensor and accu
Supply voltage	110-230 V AC 9-12 V DC
Measuring range	2, 20, 200, 2000 W/m²
Accuracy	≤± 5% of working range
Measurand output	Analogue 0,1-4,1 V Digital RS232
Temperature range	0-30°C
Display	2x 16 digits, backlighted
Protection class	IP65
Calibration interval	12 months

Example of use

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Operating parameters depend on production characteristics and may differ from the foregoing information.
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