

SENSOR TESTER

Irradiation Chamber for Two Channel Sensor Testing



The **Sensor Tester** is used for UV sensor calibration.

The first input channel is connected to the reference sensor (golden sample) and the second channel is connected to the sensor to calibrate.

The unit is available with UVA, UVB or UVC sources. It displays calibrated absolute irradiation values, output voltages and percental values.

For a fast and safe change of sensors, the emitter aperture is working with an automatic shutter mechanism. For quality control, the calibration data can be logged via USB with the PC software SensorView 1.2. Three relays are programmable for activating an alarm if a tested sensor output is below a needed specification.

Features Overview

Inputs	two channels, works with all sglux voltage sensors and other standard sensors, NIST traceable input calibration on request
Display	showing: absolute and relative irradiation, sensor voltage output, calibrated reference sensor output, state information
UV source	UVA, UVB or UVC spectrum, encapsulated, automatic shutter
Specials	included SensorView 1.2 with data logging for quality control three programmable free floating relay terminals for additional alarms

Specifications	Value	Unit
Number of probe inputs (front panel)	2	-
Data output (back panel)	USB/RS232	-
Number of relay outputs (back panel)	3	-
Housing dimensions	234x95X197	mm ²
Degree of protection	IP40	-
Operating temperature	0...+40	°C
Storage temperature	-10... +60	°C
Power supply	230	V _{AC}
Weight	3,2	kg

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Connections and Outputs

Sensor Input



The Sensor Tester works with each 0..5V sglux sensor as well as with other standard sensors (e.g. DVGW or ÖNORM compliant sensors)

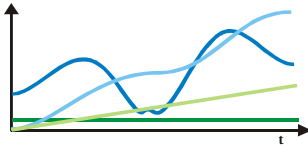
Visualization of Values and State



Each row of the user configurable display can show the following information:

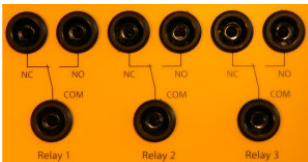
- Absolute UV radiation
- Relative radiation
- Raw value (voltage) output
- State information (e.g. overrange)

Data Storage



The sensor output during calibration can be logged via USB with the provided software SensorView 1.2.

Relay Functions



Three potential-free relays can be used for alarm activation if a tested sensor output is below a needed specification.