



UV Photometer PM-02



Fig. 1: UV photometer PM-02

The UV photometer PM-02 is 2-beam photometer for monitoring the absorption of liquids and gases at an UV-C wavelength of 254 nm. A number of organic impurities, ozone, turbidity and further substances can be sensitively detected using this short measuring wavelength.

The 2-beam procedure compensates for aging of the lamp and thus serves for accurate measuring results. Referencing to an empty cell or a reference liquid is done by the software. The photometer uses cuvette lengths of 10 or 50 mm. Flow through cuvettes are available for continuous measurements. Operation of the photometer is menu-controlled with a 4 line display. Measuring data are shown on the display. They are also transferred to a RS232 interface.

Applications

- Detection of organic impurities, ozone and turbidity
- Monitoring of water purification systems
- Monitoring of process liquids
- Detection of leaks and system failures

Technical Data

Wavelength:	254 nm
Measuring range:	0 - 100% transmission
Resolution:	0.1%
Display:	Transmission and absorbance
Measuring time:	2.2 s
Optical path way:	10 or 50 mm

Dimensions:	155 x 150 x 260 mm
Weight:	ca. 2.7 kg
Mains:	230 VAC, 50 Hz
Power consumption:	< 20 W
Lamp:	Hg low pressure Ozone-free
Lamp lifetime:	typical 2.000 hours
Operation temp.:	10 to 40 °C
Humidity:	< 80% Non-condensing
Housing protection:	IP65
Interface:	RS232

Part numbers

UV photometer PM-02	830200
Photometer box	930100
Quartz cuvette 10 mm	830111
Quartz cuvette 50 mm	830115
Quartz flow through cuvette 10mm	830121
Quartz flow through cuvette 50mm	830125