

Flow-through photometer FlowMissio



photometer FlowMissio

The UV photometer FlowMissio is a double-beam photometer with a pressurized water flow-through cell for monitoring the absorption of water at 254 nm. A number of organic impurities, ozone, turbidity, and other substances can be detected using this sensitive short measuring wavelength.

The double-beam photometer compensates for lamp aging and thus serves to achieve accurate measuring results. Referencing to an empty cell or a reference liquid is available. The photometer uses an optical path length of 50 mm. Operation of the photometer is menu-controlled with a graphical display. Measuring data are shown on the display. They are also transferred to an analog and a digital interface. Two adjustable alarm thresholds are available for the system controller via relay contacts. The UV photometer requires low maintenance. The lamp should be changed every 2,000 hours and the flow-through cell should be cleaned regularly depending on the water quality.

Applications:

- Detection of organic impurities, ozone and turbidity
- Monitoring of water purification systems

TECHNICAL DATA

Wavelength	253,7 nm
Measuring range	0 - 100 % transmission
Resolution	0,1 %
Measuring time	2,2 s
Measuring cell	50 mm
Dimensions	400 x 250 x 360 mm
Housing protection	IP65
Weight	12 kg
Allowed pressure	8 bar
Mains	100 - 240 V, 50/60 Hz, 20 W
Lamp lifetime	typical 2000 h
Operation temperature	10 to 40 °C
Humidity	< 80%, non-condensing
Interface	4 - 20 mA, USB
Relay contacts	2 x 250 V, 1A

PART NUMBERS

Photometer FlowMissio	830701
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