Dr. Gröbel
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we apply photonics.

Yoke Photometer ZPM

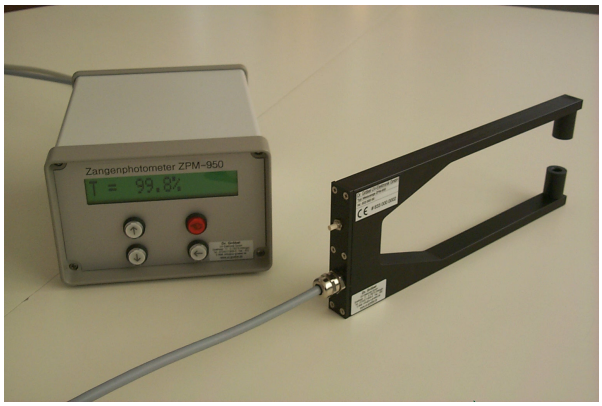

Fig. 1: Yoke photometer ZPM

The yoke photometer ZPM measures the transmission of plane, optical transparent materials like quartz, glass, crystal or plastics plates.

The influence of surrounding light is minimized by using a modulation technique. This is of special importance in the measurement of scattering samples.

Transmission data are steadily shown on the display. The transfer of the measuring data to a computer can be triggered by a push bottom or an external signal.

Depending on the type, yoke photometers measure at a fixed wavelength or they can be switched to different wavelengths, e.g. red (630nm), green (520nm) and blue (470nm) for the ZPM-RGB.

Applications

- Materials testing
- Process control

Technical Data

Wavelength:	950 nm (ZPM-950) 470 / 520 / 630 nm (ZPM-RGB)
Transmission:	0 to 100%
Resolution:	0.1%
Calibration:	0% and 100%
Measuring time:	1.4 s
Interface:	RS232
Mains:	230V / 50Hz
Power consumption:	30W
Dimensions:	172x216x112 mm (display unit)
Weight:	3.3 kg
Operation temp.:	10 to 40°C
Humidity:	<80% Non-condensing

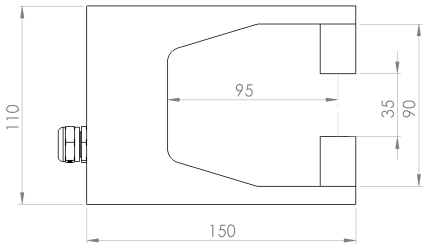

Fig. 2: Dimensions of standard measuring yoke

Part numbers

Yoke photometer ZPM-950	**833000**
Yoke photometer ZPM-RGB	**833100**
Reference filter set	**833010**

Options

- Custom yoke widths and depths
- Other wavelengths in the ultraviolet, visible and near infrared spectral ranges from 254 nm to 1.6 µm.

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