

ZOL 1150 ONLINE-GLOSSMETER



ZOL 1150 Online-Glossmeter is based on the latest technology.

Because of its modular structure it can be delivered as individual parts or as a complete system specifically designed in accordance with the requirements of the customer. Gloss is measured contact-free during the production, coating or finishing process. Quality assurance (according to ISO) during the manufacturing process is ensured at any time by continuous recording of the measured gloss values. An alarm will be given in the case of deviations from the specified quality, thus minimizing the reject rate.

Application areas

- Measuring instrument for several industries such as paint, plastics, paper, foil and metal industry
- For all gloss and glosshaze (reflection haze - scattered light) measurements
- Manufacturing of sheet metal and floor coverings
- Finishing processes such as application of coating of all types, e.g. coil coating
- It can be integrated with other quality monitoring systems, e.g. humidity, thickness etc.

Features

- Measurements on the lower and/or top side of the continuous material
- Continuous recording of the gloss values to check if the quality requirements are fulfilled at any time
- Digital communication: RS 232, RS 485 or Ethernet
- Possibility to entirely control the unit over binary commands
- Analog output of the measuring value
- Integrated Z-Axis
- Automatic in-situ calibration
- Signal outputs for out of range measurements and changing reels
- Signal input for calibration and moving measuring head
- Multi-angle measuring-heads
- Up to 1'000 readings per second

TECHNICAL SPECIFICATIONS

Geometry	depending on version
Measuring accuracy	0 - 199.9 GU: ≈ 0.2 GU*, 0 - 1'999 GU: ≈ 2 GU*
Measuring sensor adaption	V (I)
Interfaces	RS 232, RS 485 or Ethernet
Analog output	0-10V, 0-20mA or 4-20mA
Light source	LED
Power Supply	230 V 50 Hz, 115 V 60 Hz or/oder 12 - 24 VDC
Calibration	traceable to BAM (Federal Institute for Materials Research and Testing, DE)
Operating system for optional software	Windows® 8, Windows® 7, Windows Vista®, Windows® XP SP2 or later
Measuring distance to material	20°: 10 mm (0.39") 60°: 10 mm (0.39") 85°: 2.7 mm (0.11")
Standards	according to „list of standards gloss“

Options

- Data logging software
- Manual cross beam
- Automatic cross beam