

SENSORS



TEXTILE



NONWOVENS



PAPER



PLASTIC

GLOSSPRO GMR

GLOSS MONITOR – REFLECTION

Product-highlights

- ✓ Simple, non-destructive and exact determination online of surface gloss
- ✓ Available for various angles of reflection to meet the appropriate industrial standards

Applications

The device can be used in any industry where there is a need to determine the degree of surface gloss on a product, i.e. in the paper industry (SC paper, LWC, writing and printing paper, the film industry and in the furniture sheeting and impregnated paper sector).



Fundamentals

A pulsed LED white-light source is concentrated via an suitable lens onto the surface of the product web. The light reflected at the desired angle (60° or 75°) from the surface of the sheet is focused by a lens, and the intensity of this reflected light is determined by suitable detectors. To compensate for the effect of dust on the lenses and protective windows, a reference beam is also deflected via a similar light path and is directly evaluated. Since all lenses and windows are exposed to a very similar concentration of dust, any possible mismeasurements in the time between periodic cleanings are reliably offset.

Customer benefits

- ✓ Direct determination online of the degree of gloss quickly optimizes processing
- ✓ As the sensor traverses, it indicates the degree of gloss from edge to edge
- ✓ Largely insensitive to variations in product colour through using suitable detectors



INNOVATIONS

We love being technological leaders. And our R&D team works every day to make sure it remains so. Innovations, inventive talent and future-oriented thinking – to guarantee your success.

TECHNICAL DATA | GLOSSPRO GMR

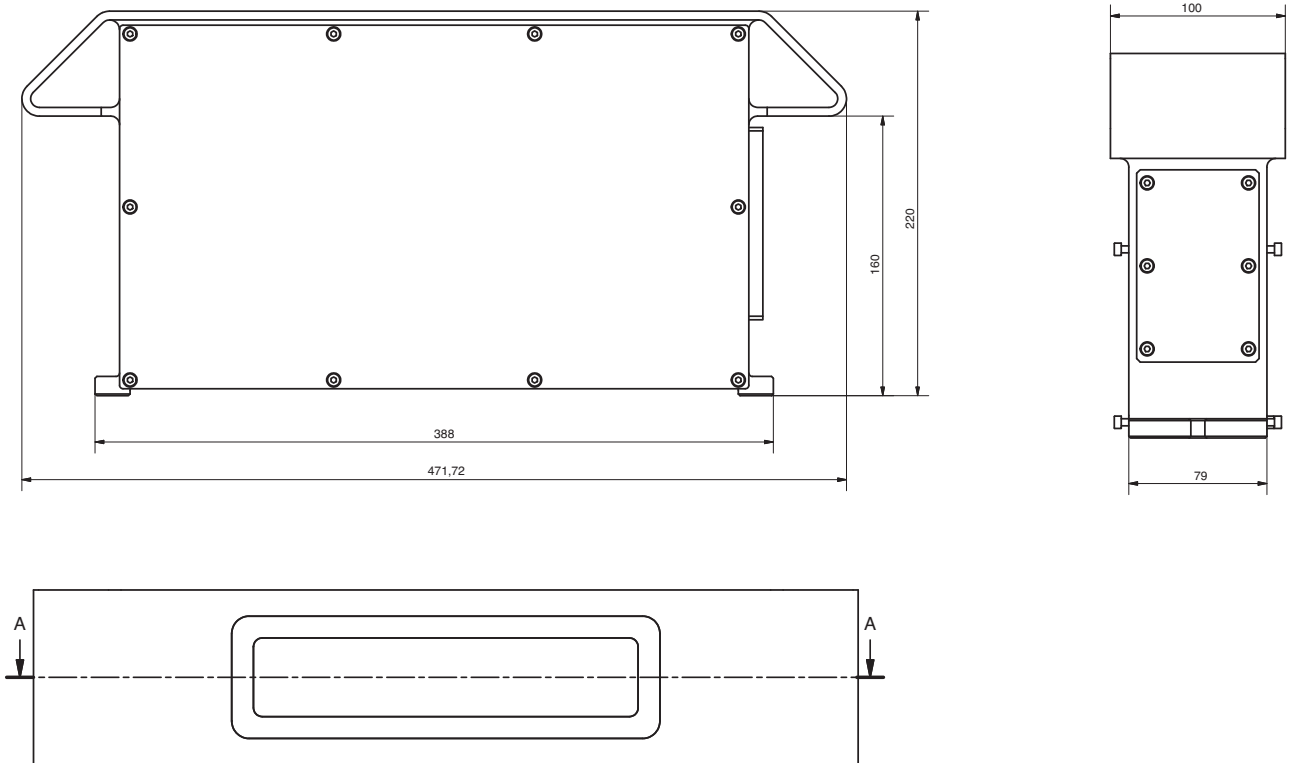
| Sensor | Glosspro GMR | |
|--------------------------|---|--|
| Measurement | Gloss backscatter sensor | |
| Wavelength band | 400 – 800 nm | |
| Measuring range | Gloss, 60° Gloss, 75° | 10 – 95 % absolute 10 – 95 % absolute |
| Distance to product | 15 mm | |
| Scanning spot diam. | Oval, 5 x 10 mm | |
| Life of lamp | Lifelong, as it is a white-light LED | |
| Test duration (internal) | 5 ms | |
| Power supply | 24 V DC | |
| Ambient limits | Max. 60° C, 0 – 95 % relative humidity (non-condensing) | |



KNOWLEDGE

We have a common goal: maximum performance from your Mahlo® System. To that end we are at your side, right from the in-stallation of the equipment and advice on how to maintain it, through to the training of your employees. Our instructors get your people in shape in matters of operating and servicing. So that you can solve your problems even faster.

Dimensions



GLOSSPRO GMR sensor
91-201529