WILOT WMR-12
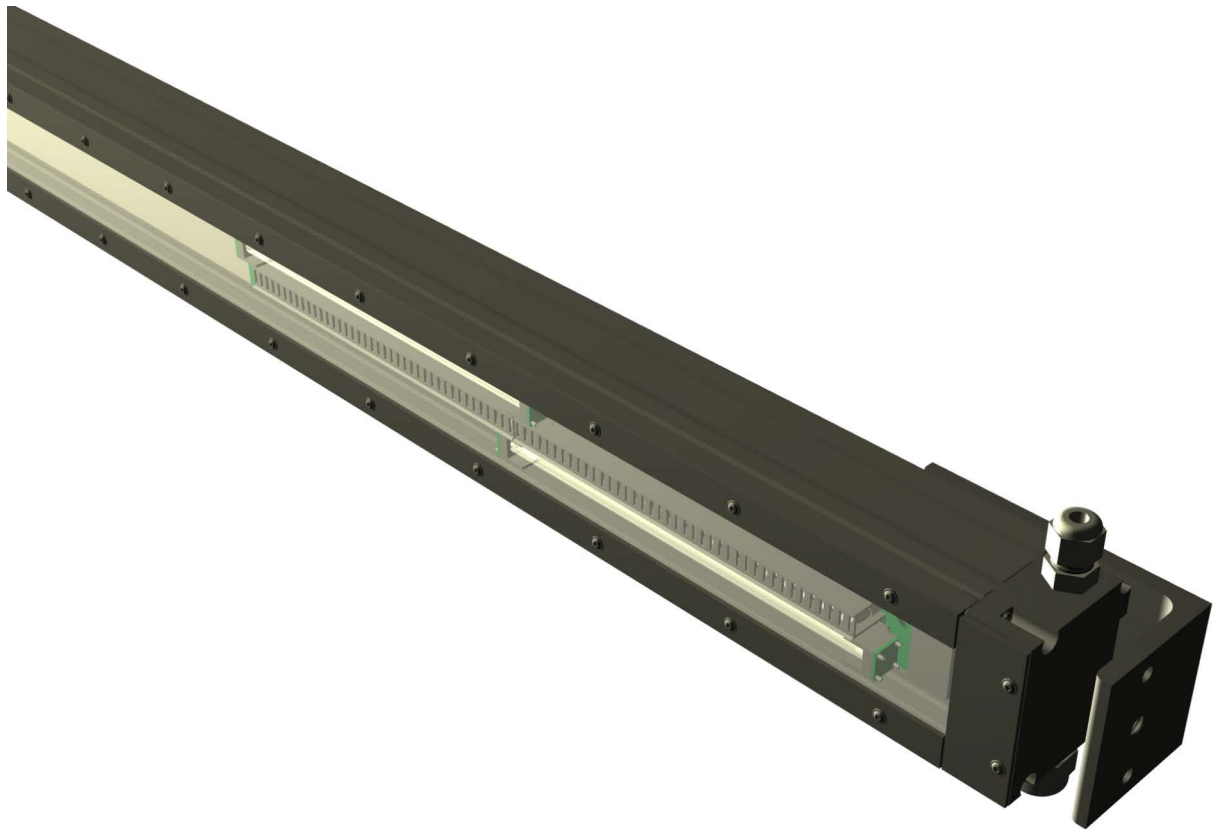
Automatic Online Width Measurement

Quality made
in Germany

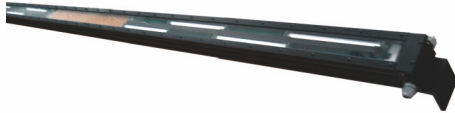TEXTILE   NONWOVEN   COATING & CONVERTING   PAPER   EXTRUSION

WILOT WMR

Width measurement

The Wilot WMR is a reliable instrument for determining the product width without contact during running operation, especially at the stenter delivery side. The system helps comply with quality requirements to lower costs. After all: Rejects and compromised quality have a major negative effect.

Customer benefits
- ✓ *High repeatability*
- ✓ *Homogeneous product appearance*
- ✓ *Documentation of product quality*
- ✓ *Short amortisation times*

Area of application

Control unit and digital display

The Wilot WMR's usability is quite diverse. Stenters and the levelling stenter represent the main application areas.

Product highlights
- ✓ *One-sided measuring process*
- ✓ *Extremely wide range of products*
- ✓ *Wear-free LED technology*
- ✓ *Non-contacting and continuous*
- ✓ *Determines the product width with the greatest accuracy using digital signal processing*
- ✓ *Universal application*

Principle of operation

Display of the product width

IR LEDs used as retro-reflective devices determine the product width. The operator can set the sensitivity of the sensors from the included control panel and specify the maximum and minimum product width for alarm functions. Since the sensor module only needs to be attached on one side of the product, mounting options are very flexible.

The unit consists of:

- ■ Sensor module
- ■ Electronics
- ■ Control panel
- ■ Digital display (optional)

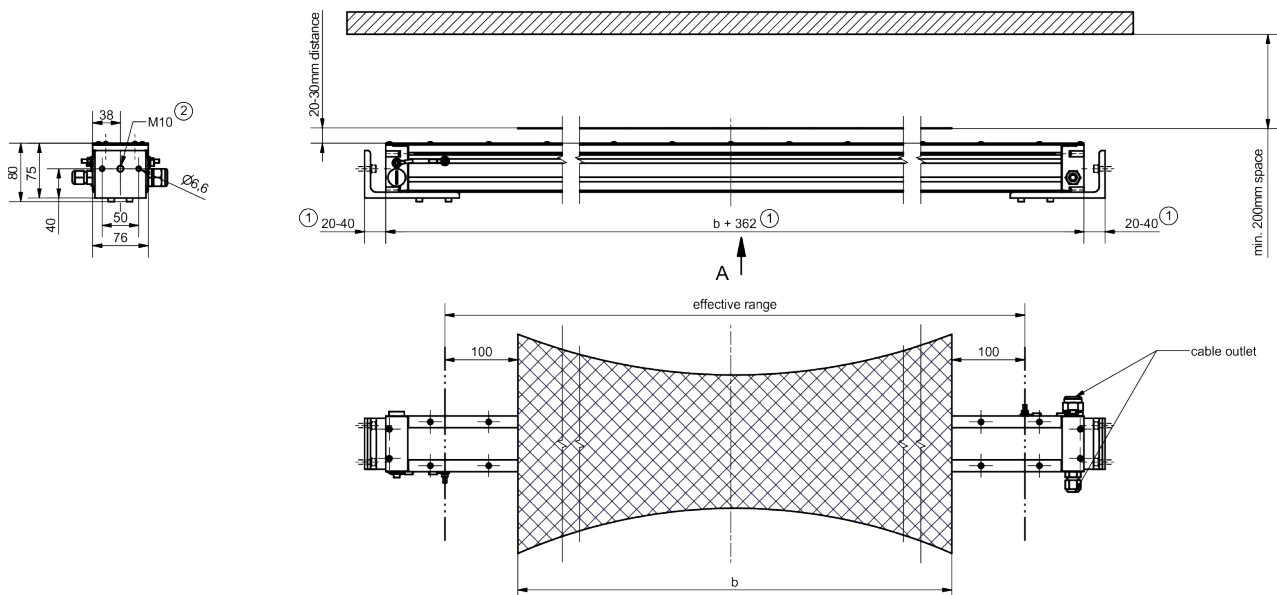Different models are available to cover a wide variety of applications:

- ■ Stand-alone version with digital display
- ■ Module version with visualisation on an Optipac or Orthopac

TECHNICAL DATA

Specification	Value	Unit
Measurements	Product width	
Measuring principle	IR Reflection	
Measurement accuracy	(per side) ± 5	mm
Measuring value update	Depends on the size; ≈20	ms/m
Nominal product width, maximum	5600	mm
Weight	Depends on the version	
Version design	Aluminum	
Temperature range	0 - 50	°C
IP protection class	IP 65	

Dimensions

Wilot WMR (91-013867-03)

Monitoring and control systems, automation

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