ENERGY

MEASURING TOOLS

KNILL GRUPPE

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Precise and compact: Mosdorfer Rail catenary geometry laser measuring device.

The Mosdorfer Rail catenary geometry laser measuring device combines ease of operation with maximum precision in
a compact design.

Modern high-speed trains travel at up to 350 km/h (217 mph). To ensure a constant power supply at such speeds, catenary systems need to be installed with precision and tight tolerances. Mosdorfer Rail provides state-of-the-art tools and equipment that meet and exceed all requirements of international railway operators.

High-precision measurement systems are needed to set up and maintain catenary systems. Discover the benefits of our laser measuring device.

Benefits

- Contactless laser measurement.
- Precise measurement of height and lateral position.
- Robust mechanical construction.
- Simple to adjust, adjustment by manufacturer is not required.
- Weatherproof and corrosion-resistant.
- Easy to transport.
- Measures track superelevation and pole distance (depending on model).

Content

Contact Wire Laser Measuring Device for Catenaries

GLI-7

This measuring device uses a laser rangefinder to measure the height and stagger of the contact wire. Some versions can also be used for inclination measurement and for measuring the distance to the mast.

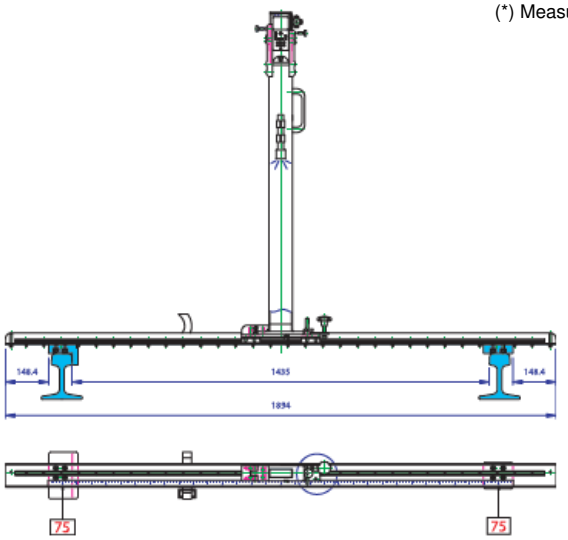
Technical description:

- Laser measures. No need touching wires.
- Used in any weather conditions.
- Wheel versions available on request.
- Working height: approx. 1.2 m above rail top edge.
- Suitable for all types of catenary systems.
- Contact wire stagger: +/- 75 cm.
- Track gauge: 1,435 mm, 1,524 mm, 1,000 mm (other gauges on request).
- Measurement accuracy:
  - Lateral position +/- 5 mm.
  - Contact wire height +/- 0.5 mm.
- Weight: 11 kg.
- Carrying bag included.
- Bluetooth Smart 4.0.

Model GLI-7

L.-No.	ID-Code	Track gauge (mm)	Measurin range on the stagger MR (mm)	Remarks
304.132.001	GLI-7 PK	1,000 / 1,435 / 1,668	+/- 750	
304.132.002	GLI-7 PK.60	1,435	+/- 600	
304.132.003	GLM-7 PK	1,000	+/- 450	
304.132.004	GLI-7 PK TRVIA.60	1,435	+/- 600	Tramway support
304.132.101	GLI-7 PK.L	1,435	+/- 750	Light version (*)
304.132.102	GLI-7 PK.60.L	1,435	+/- 600	Light version (*)

(*) Measuring of inclination and pole distance.



Contact Wire Measuring Device for Catenaries

GMS

This measuring device measures the height and stagger of the contact wire with different rulers fixed in the mast.

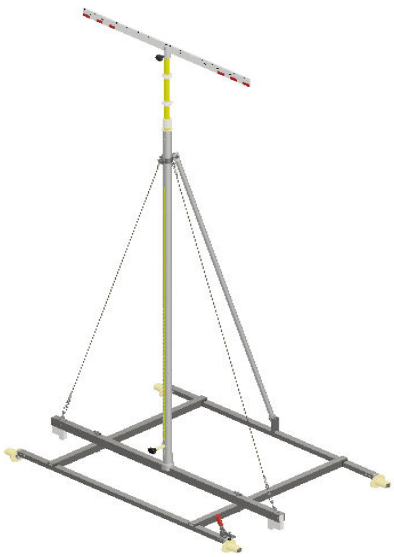
Technical description:

- Slotted measuring tube.
- Insulating rod with rain insulators.
- Plastic surveyor‘s rod.
- Movable sub frame (depending on the design).
- Transporting/Shipping length: 3 m.
- Weight: 23 kg.
- Carrying bag included.

Other measuring devices with different height range and track gauges available on request.

Model GMS/GMM

L.-No.	ID-Code	Track width (mm)	Height min – max (mm)	Measuring range (mm)	Remarks
304.131.131.V10	GMS-10	1,668	4,400 – 6,100	+/- 600	Differential pressure sensor, stationary
304.131.131.AVE	GMS-60	1,435	4,400 – 6,100	+/- 600	Differential pressure sensor, stationary
304.131.131.TRVIA	GMS-T	1,435	4,400 – 6,100	+/- 600	Differential pressure sensor, stationary. Tramway
304.130.130.V10	GMM-10	1,668	4,400 – 6,100	+/- 600	Differential pressure sensor, mobile
304.130.003	GMM-60	1,435	4,400 – 6,100	+/- 600	Differential pressure sensor, mobile
304.130.130 TRVIA	GMM-T	1,435	4,400 – 6,100	+/- 600	Differential pressure sensor, mobile. Tramway



GMM

NOTES

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SALES TERMS & CONDITIONS
Please, visit www.mosdorfer.com or consult to Commercial Team.

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