

# Operating instructions



Alignment laser  
for pulleys

LüCo LaserPro©

# 1. TECHNICAL DATA

With the LüCo LaserPro<sup>®</sup> measuring tool, belt drives are aligned quickly and reliably. Both an axial misalignment and an angular misalignment can be determined and corrected without any problems.

Laser	Laser class II (EN 60825-1)
Laserline	Focusable
Output power	≤ 16 mW
Laser wavelength	650 nm
Housing	Aluminium (anodised)
Power supply:	3 V (battery size CR123A)
Operating temperatures	-20°C to +50°C
Storage temperatures	-40°C to +80°C

## 2. SCOPE OF DELIVERY

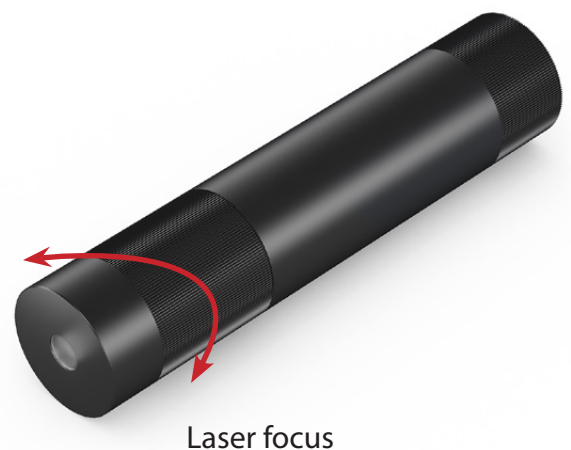
The LüCo LaserPro<sup>®</sup> consists of:

- Alignment laser
- 4 target magnets
- Hard case

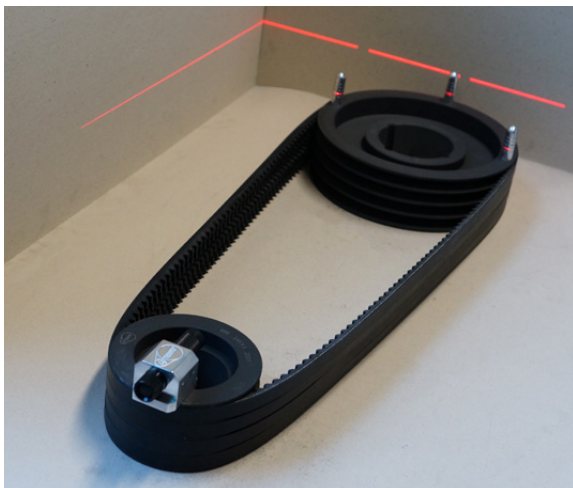


## 3. ADVANTAGES AT A GLANCE

- Time saving, easy and accurate application
- Focusable laser line for an exact line projection
- Measurement of axis offset as well as angular offset



## 4. FUNCTIONALITY



1. Place the alignment laser with the integrated magnet on to the outer rim of the pulley.
2. Three target magnets also on the outer rim of the counter disc, approximately in the positions 0°, 90° and 180°. For non-magnetic surfaces, use strong double-sided adhesive tape as an alternative (adhesive pads included in the delivery).
3. Switch on the alignment laser and focus the laser line using the setting option.
4. Now align the drive so that the laser beam hits all three target magnets on the same position. Then you have an exact axial and angular alignment

## 5. WARNINGS



Before measuring, switch off the machine and secure it against being switched on again unintentionally. Check that neither the input nor the output shaft can rotate unintentionally. The relevant safety regulations of the machine manufacturer must be observed!

The device works with laser radiation. **Do not look directly into the laser beam!**  
Make sure that electronic components are not endangered by the magnetic fields.

- The LüCo LaserPro© alignment device is battery operated. When in use, the usual safety regulations and precautions for use in e.g. potentially explosive environments apply.
- Do not expose the device to high temperatures or direct sunlight.
- Although the device was developed for robust applications, the sensitive measurement technology should be protected from contamination.
- Do not bring the device into contact with water, solvents or other liquids. Also, do not use volatile solvents for cleaning.



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