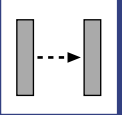
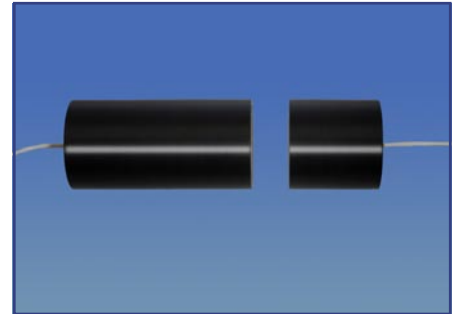




DL300K



- ▶ **Generates a parallel light-band of 6mm width**
- ▶ **Long sensing distance - very high resolution**
- ▶ **Low beam divergence enables accurate detection over the complete sensing distance**
- ▶ **Easy to align**
- ▶ **For presence control or edge detection on thin sheets**
- ▶ **Vacuum rated**



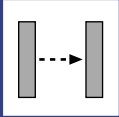
**LASER THROUGH BEAM SENSOR**  
for separate amplifier

▶ **TECHNICAL DATA**

TYP	DL300K
Light type	visible red 670nm
Operating temperature	-10°C to +55°C
Sensing distance	> 4m
Width of generated light band	6mm
Smallest detectable object*	1,0 mm (across the full measurement range )
Connection	teflon sheathed cable; flying leads
Dimensions	emitter Ø 30mm x 60mm; receiver: Ø 30mm x 33mm
Housing material	aluminium black anodized
Mounting	for clamping fixture

\* Ø copper wire of infinite length. Depending on adjustment and sensing distance (see graphs).

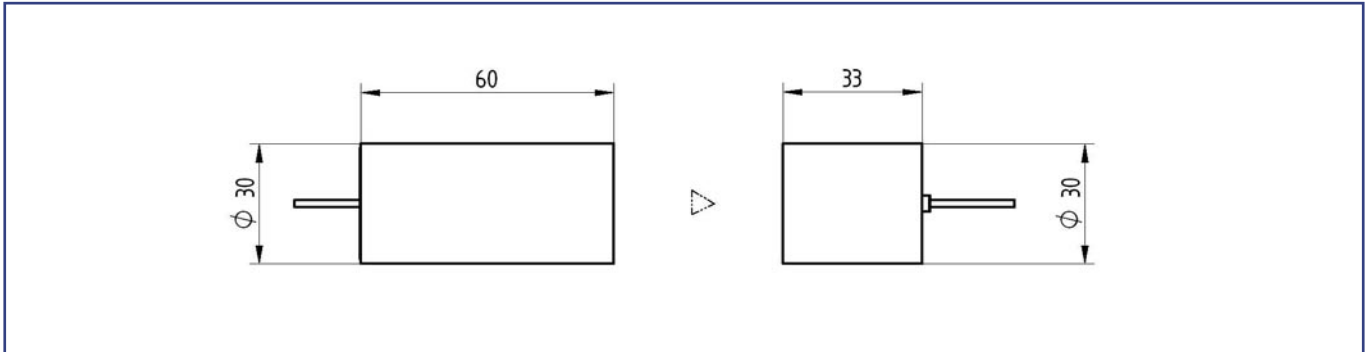




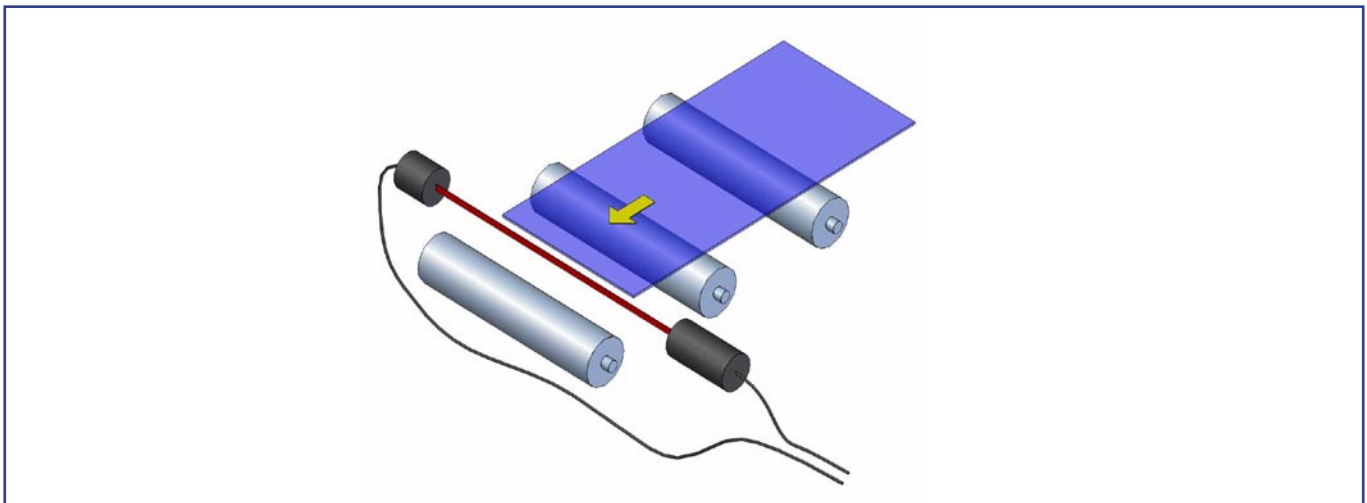
**DL300K**



► **DIMENSIONS** Measurements in mm. Subject to technical change



► **APPLICATION EXAMPLE**



► **SETUP INSTRUCTION**

Align emitter beam centric onto receiver window. The plane receiver element compensates to a certain extent mechanical offset of the laser band as it might be caused by thermal or mechanical distortion.

Amplifier adjustment using analog amplifier (V8-C/V8-D): Slide upper left switch to "L.on" = Light on; slide lower left switch to "MAN" = manual; slide right switch to "SET". Adjust amplifier sensitivity by pressing "+" and "-" push button until red LED indicator (alarm) is just turning off. Consecutively press the "+" button another 8 to 10 times, to add excess gain. Thereafter slide the right switch into the "RUN" position to save your adjustment.

► **WIRING**

Emitter:	Receiver:
+ red	+ green
- white	- black

**PART DESIGNATION**

**DL300K - T - 99 : 3m** = DL300K laser visible red – Teflon (PFA) sheathed cable – flying leads – 3m cable length

Please note, for correct operation, a separate analog amplifier (V8-C/V8-D) is required.