

# It simply works!



## TK7A / TK7RL

**Designed for toughest applications, equipped with strong scanner shaft and due to double-lipped special seals (as in pumps) impervious to aggressive cooling agents, dust and chips.**

**The compact scanner dimensions and the wide scanning range as well as the smooth, cylindrical wall allow for easy assembly without additional adjustment aids.**



### Characteristics

TK7 is established in the price sensitive segment and is particularly suitable for fast and simple monitoring tasks.

Both scanner variants of this type have identical features. The only difference is that in type "A" the rotational movement is limited by a mechanical stop whereas type "RL" (without mechanical stop) can rotate in both directions.

Due to the highly dynamic features of the drive the advantage of TK7 lies in the very fast scanning speed rather than in the scanning precision.

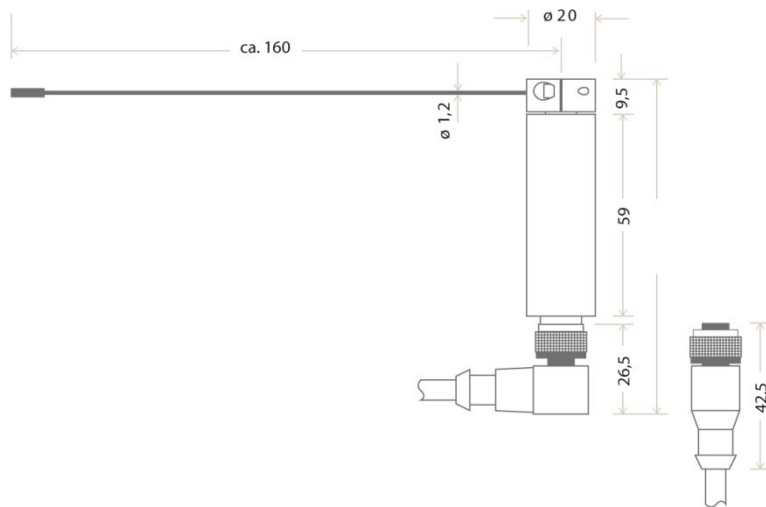
### Scanning

- TK7A in one direction:  
right or left
- TK7RL bidirectional:  
right-left or left-right
- Lateral (orthogonal)

### Application

Tool/object monitoring and free-space monitoring

## Mechanical Dimensions (mm)



## Technical Data

Scanner	TK7A
Article no.	63 04 234
Scanner	TK7RL
Article no.	63 04 235
Housing	Anodized aluminum
Protection class	IP 65 / IP 68
Wand length	170 mm (standard), Ø 1.2 mm Wand exchangeable
Scanning angle	TK7A: max. 270° TK7RL: max. 360°
Control unit connection	Small circular connector M12x1, 8 pin
Ambient temperature	0 °C to +80 °C
Storage temperature	-25 °C to +85 °C
Scanning cycles	> 5 million at minimum scanning intensity
Axial diameter	3 mm
Housing diameter	20 mm
Accurateness	1.2°
Speed	0.4 sec / 180°

Version 1.01 Subject to technical changes.