

It simply works!



TK94A / TK94RL

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

The TK94 components are ideal for monitoring applications which require particularly robust scanners for extremely short scanning cycles.

Both scanner variants of the TK94 series only differ with respect to the mechanical stop for type "A". The model "RL" can rotate in both directions without this stop.

The special feature of this series is the drive unit which was designed for highly dynamic and extremely fast reactivity.

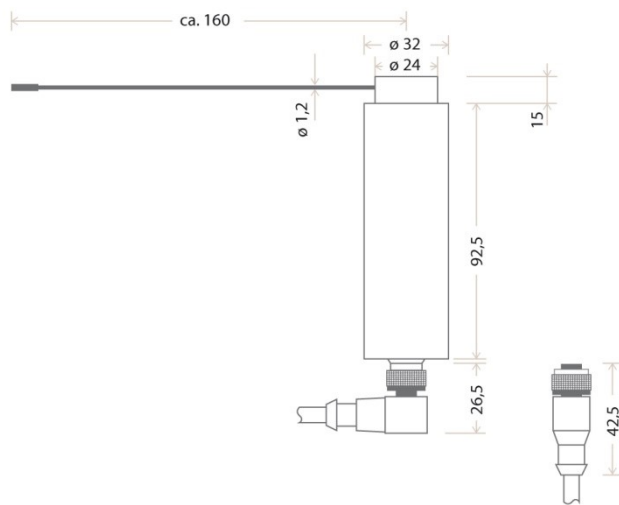
Scanning

- TK94A in one direction: right or left
- TK94RL bidirectional: right-left or left-right
- Lateral (orthogonal)

Application

Tool/object monitoring and free-space monitoring

Mechanical Dimensions (mm)



Technical Data

Scanner	TK94A
Article no.	63 04 249
Scanner	TK94RL
Article no.	63 04 252
Housing	Anodized aluminum
Protection class	IP 65 / IP 68
Wand length	170 mm (standard), Ø 1.2 mm Wand exchangeable
Scanning angle	TK94A: max. 270° TK94RL: 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	4 mm
Housing diameter	32 mm
Accurateness	1.2°
Speed	0.25 sec / 180°

Version 1.01 Subject to technical changes.