

The all **NEW** LIK_{go}, designed to meet customer demands

With the **LIK_{go}** incremental linear encoder, NUMERIK JENA is launching a newly designed product specifically developed to meet customer demands.



The **LIK_{go}** is the new entry-level optical encoder, establishing the basis for upcoming products. Its new design combines the long-proven strengths of NUMERIK JENA products in a novel way.



The
NEXT GENERATION of
Optical **ENCODERS**



NUMERIK JENA GmbH
Im Semmicht 4
07751 Jena / Germany

Phone: +49 3641 4728-0
Fax: +49 3641 4728-202

E-mail: info@numerikjena.de
www.numerikjena.de



Save **MONEY**

Reduced cost of production and lower encoder prices thanks to standardized components



Precise **POSITIONING**

High signal quality and stability thanks to a new sensor design and three separate scanning fields



Save **TIME**

Fast delivery thanks to in-stock encoder components and improved production

The new **LIK** series stands for user friendliness, versatile deployability, and high quality.

The brand-new, three-field scanning module with integrated scanning-head electronics offers multiple improvements:

- Highly compact and lightweight scanning head
- 20 μm grating period and measuring steps down to 78.125 nm

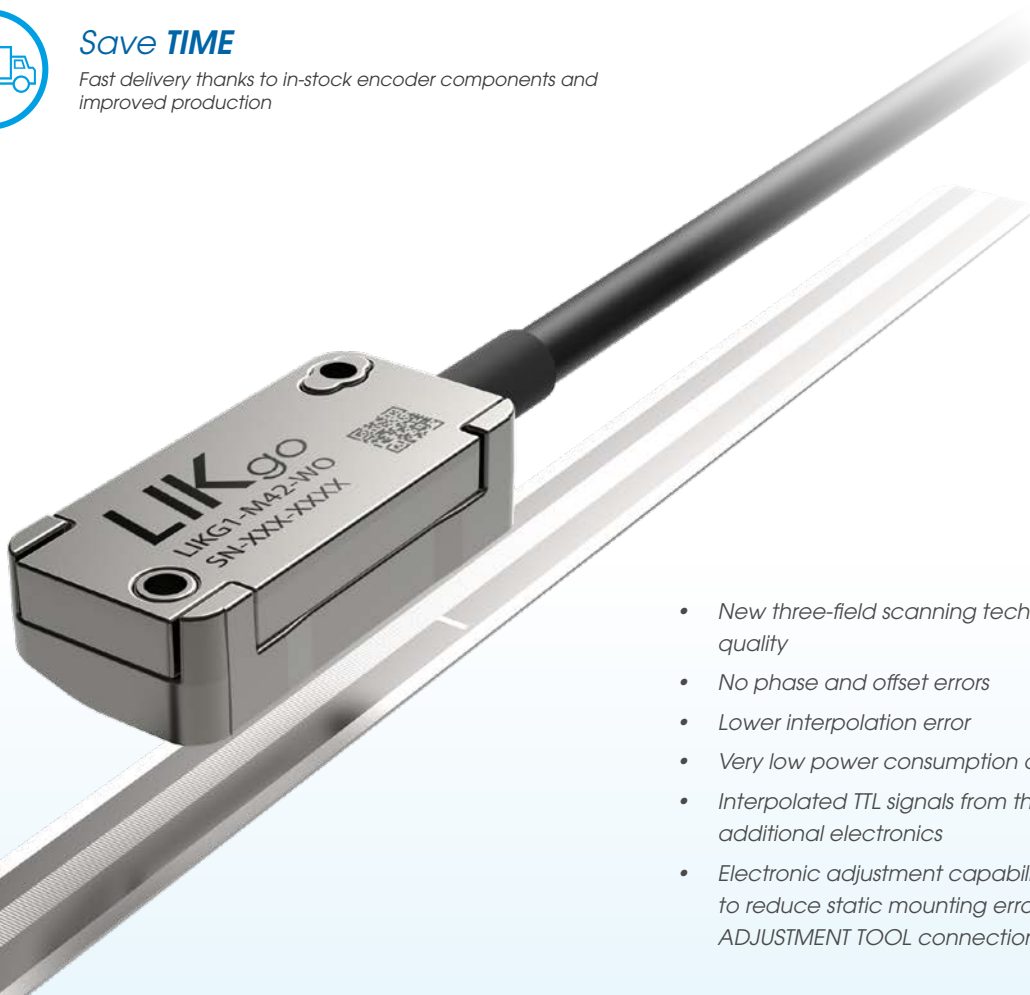


SCANNING HEAD

Dimensions (Scanning head)	28 mm x 13 mm x 7.5 mm
Mass	10 g
No. of scanning fields	2 for incremental + 1 for reference
Scanning frequency	Max. 500 kHz
Signal Interpolation factor	Up to 64
Interpolation error	± 85 nm
Resolution	Down to 78.125 nm
Supply voltage	5 V $\pm 10\%$
Current consumption	50 mA (1 V _{pp}) / 150 mA (TTL)
Type of connector	15-pin D-sub
Cable lengths	0.3 m, 1 m, or 3 m
Cable diameter	3.7 mm
Operating temperature	0 °C to +55 °C

SCALE TAPE

Grating period	20 μm
Accuracy	± 3 $\mu\text{m}/\text{m}$ or ± 5 $\mu\text{m}/\text{m}$
Max. length	2480 mm (others on request)
Material	Stainless steel



- New three-field scanning technology with improved signal quality
- No phase and offset errors
- Lower interpolation error
- Very low power consumption and heat accumulation
- Interpolated TTL signals from the scanning head without additional electronics
- Electronic adjustment capability after mounting to reduce static mounting errors, and an improved ADJUSTMENT TOOL connection