

Newsletter June 2024

BOGEN Linear Magnetic Scales aka Magnetic tapes

BOGEN Magnetics GmbH offers a comprehensive range of linear magnetic scales designed for precise incremental and absolute measurements. Our portfolio includes [LMSA](#), [LMSI](#), and [LMSN](#) standard scales and custom solutions to meet specific requirements.

Key features and considerations

- Accuracy classes: Up to $\pm 3 \mu\text{m}$
- Operating temperature: -40°C to $+100^{\circ}\text{C}$
- Environmental resistance: Dust, moisture, cooling lubricants, oil, chemicals, temperature fluctuations, vibrations
- Customization: Available on demand for specific applications

PRODUCT HIGHLIGHTS

LMSA: Linear Magnetic Scale Absolute

- Encoded poles/patterns with high accuracy
- No wear from usage
- Ideal for automation, robotics, mechanical and electrical engineering
- Compatible Sensors: [ALS21](#), [ALS26](#)

LMSI: Linear Magnetic Scale Incremental

- Single or multiple track magnetization (up to 9 tracks), with or without reference
- Highly accurate encoded poles/pattern
- Perfect for applications needing flexibility and precision
- Compatible Sensors: [IKS9](#), IKS9.1, [IKS11](#), [IKP11](#), [IKS15](#), IKS15.1, [IKS23](#), [IKS24](#)

LMSN: Linear Magnetic Scale Nonius

- Two or three-track magnetization
- Compatible with IC-MU series encoder chip from IC-Haus
- Customizable for a variety of applications
- Compatible Sensors: [AKS16](#), [AKS17](#), [AKP18](#)

BOGEN's patented magnetization process ensures high-precision coding and accuracy, performed in-house.

For more details or to discuss your specific requirements, please contact us at sales@bogen-magnetics.com.

