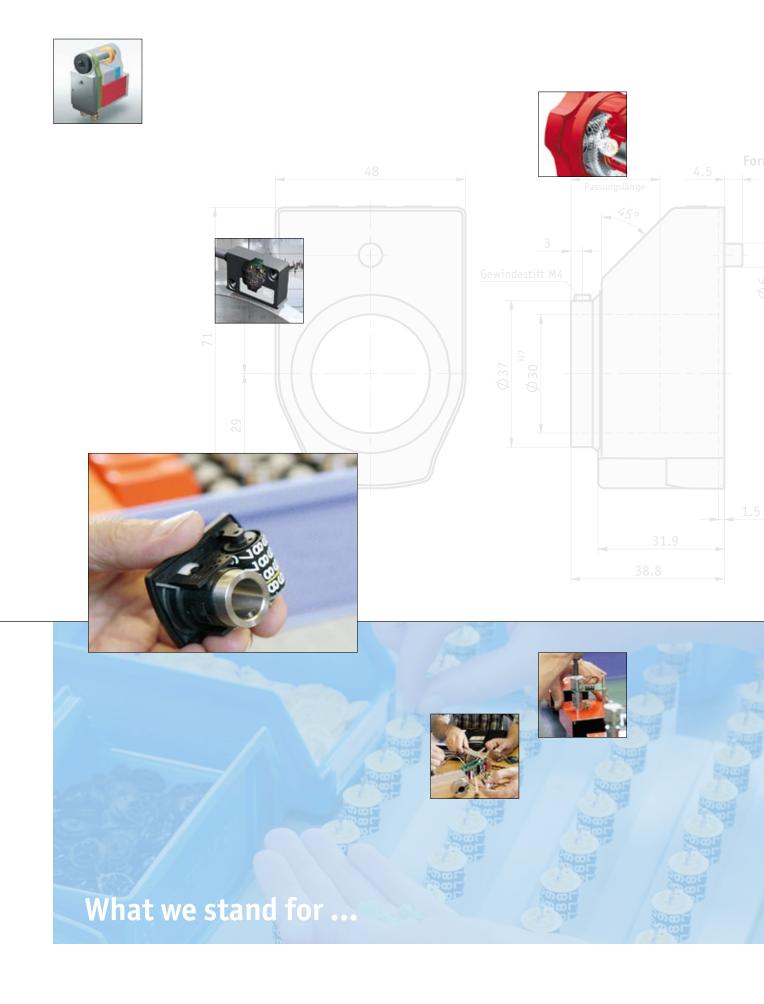
SIKO | Precision in Motion



Length and Angle Measurement Systems Actuators



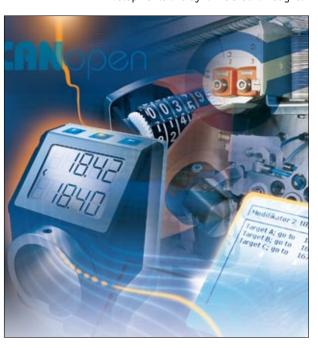


Cutting edge technology and competence: New developments require superior know-how

Strategic thinking and a natural instinct for future market trends are the basis of our product developments. The needs of our customers and the technological impulses we receive from industry steer us in the right direction for ongoing developments and dynamic breakthroughs. SIKO's developments department has been our mainstay for more than four decades of experience in distance and angle measurement technology. Highprecision, functional products and services combined with transparent, consistent quality management are the credo for our quality seal "Made by SIKO".

The DIN ISO 9001 quality assurance standard accompanies SIKO products through all company processes and procedures. This increased transparency means shorter reaction times at all stages of development. From the start, all experiences are taken into account and new technologies are examined with regard to their advantages and reliability. This is an important prerequisite for continuity, sustained overall quality and constant optimization.

Environmental friendliness is not just a catchword at SIKO - it is firmly anchored in our everyday operations. Careful handling of raw materials and resources is essential for our products, manufacture and logistics. Our results have to meet stringent overall requirements before we consider ourselves your competent partner for quality products.





Looking back to the future - when proven



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Success is the result of a commitment to precision, innovation and customer benefits

"Precision is SIKO's top priority and standard!" True to this philosophy, SIKO has been developing and producing innovative solutions in distance and angle measurement technology since 1963. Based in Buchenbach in the foothills of the Black Forest, the company produces its own measurement technologies, which are a global success in all areas of mechanical engineering.

Even today, SIKO's core concept is still manifest in its innovative power, product development and company spirit. Since taking over the business in 1990, industrial engineer Horst Wandres, son of its founder, has continued to develop this philosophy with impressive results.



Intelligent solutions

Automation and process optimization are the cornerstones of SIKO's ambitious new technologies and goal-oriented measurement solutions.

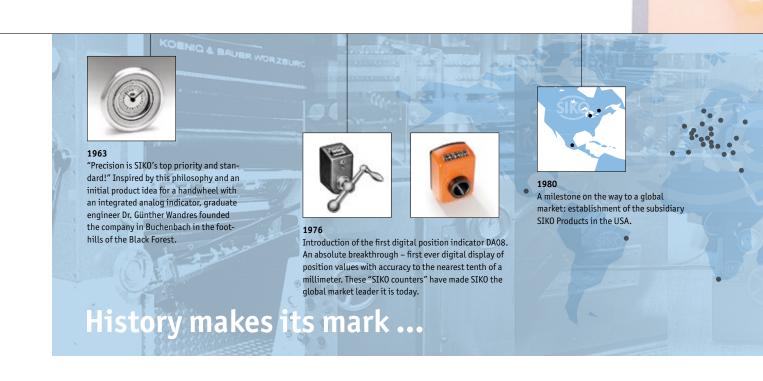
The company pursues a clear, consistent line of development, ranging from digital position indicators and handwheels through incremental encoders, absolute encoders and measurement displays to future-oriented technologies with electronically programmable or magnetic measurement systems (MagLine).

SIKO again follows the road to success with its compact, ultra-resilient actuators (DriveLine), which enable automated adjustment of machine axles.

Consistent teamwork

The secret of SIKO's development prowess lies in the motivation and team spirit of its workers. SIKO has a conscious policy of integrating the experiences of its 170 employees, which has a dynamic effect on all areas of company life. Outstanding individual performances blend together to enhance the efficiency of the whole organization.

This is Siko today. Precision in motion, dynamic and open for the future ...



Getting ahead together

People we can be proud of. Experienced, highly motivated team-workers put their trust in the flat hierarchies, honest agreements and inner strengths of a healthy working atmosphere. In return, everyone does their utmost to get the task done on time and even exceed the expected goals. A handshake is still something of value at SIKO. "Fluctuation" is not part of our vocabulary.

Help is available for anyone who wants to get to the top. Ultimately, all employees and skilled craftsmen completing advanced training courses do so for the sake of their company and our common goal, which is the development, manufacture and marketing of high class - therefore successful - distance and angle measurement technology.



SIKO as a training company: Learning from young people ...

We have provided vocational training for our employees from the word go. Professions are changing fast: While new fields such as mechatronics have recently developed, traditional vocational areas are undergoing constant transformation with in-

creasing demand for specialized yet comprehensive knowledge. Our departments reflect the various facets of developing, manufacturing and marketing our own products. There is an inherent awareness that training is not just a matter of passing on knowledge and experience, but also of learning from young, nonconformist thinkers. This creates a climate of mutual exchange on the way to becoming a responsible team-worker. In keeping with the company's international orientation, the program also includes foreign languages.





Customer satisfaction in mind – we review the criteria with each new development.



Dawn of the electronic era of distance and angle measurement technology; development of measurement indicators and the first electronic hollow-shaft encoders.



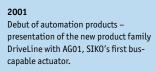
1992
Launch of wire-actuated encoders and the magnetic measurement principle known since 1999 as MagLine.



1990
Industrial engineer Horst Wandres takes over management of the company.



2003 und 2005
On the way to key markets: Foundation of subsidiaries in Switzerland, Italy



Continual optimization of our products is often the springboard to something "completely new"

A forward-looking attitude also means keeping an eye on inventory. An enthusiastic approach to this can often produce completely new solutions.

The results of our development work in recent years are something to be proud of. As well as MagLine and its contactless magnetic distance and angle technology, DriveLine with its powerful actuators has also gained a strong position on the market. These two highly integrated products benefit particularly from our special expertise and the close alignment of our development, construction and marketing departments. Know-how in exactly the right place – supported by state-of-the-art equipment and facilities:

- Transparent 3D CAD construction
- Calculation programs for simulation and collision tests, especially for gear wheel optimization
- Use of programs for simulation and collision tests
- Rapid prototyping
- Our own experimental and test laboratories for endurance and material tests

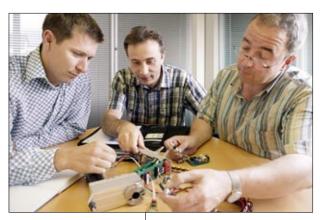
Production site Germany – an advantage we like to pass on

SIKO relies on streamlined, resourcesaving, high-tech production with prompt fulfillment of customers' wishes, thanks to well-coordinated, on-demand production mechanisms. In many sectors of industry, a high degree of automation can be found alongside specialized handwork. Our staff have the expert qualifications and performance-oriented dedication to deal with such demands.

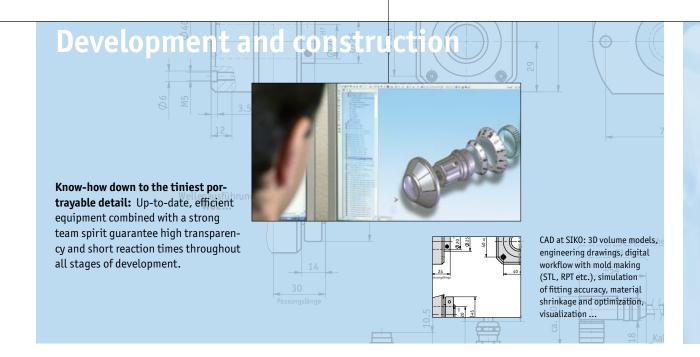
A further way of meeting deadlines and ensuring quality standards is to maintain the depth of our in-house production range. SIKO develops and produces many of its components itself, using technical requisites which are constantly being evolved and refined. An example of this

is the small series production of highprecision magnetic strips and printed circuit boards. We also manufacture the tools and machine components used for production in our own workshops.

SIKO's flexible entrepreneurial skills and sustained precision are greatly appreciated by our customers.



We speak the same language: At SIKO, a willingness to participate in open dialog enhances engineering performance. Our production site advantages are not interchangeable.





Transparency - both inside and out: Availability, competence and openness are red letter words at SIKO.

Customer-specific solutions



Tackling a problem together in order to find the right solution always presents a challenge - for both parties. The secret of success lies in open dialog. It is particularly rewarding when the result turns out to be an unusual and apparently simple solution. One example of this is the optimum solution SIKO developed together with a renowned

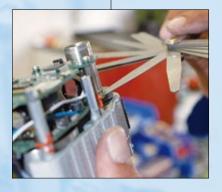
customer for a special application area in hoist technology. A magnetic rotary encoder was integrated in a toothed belt roll. We succeeded in reducing the overall footprint and optimizing costs. The measurement system was also made resistant to temperature variations, contamination and mechanical influences, resulting in a greatly increased lifespan for the whole unit.

Global representation means being available everywhere both locally and internationally

SIKO offers you personal customer contact. We have competent contact persons in charge of each of our product groups, which means we are always accountable. Your individual feedback has a direct effect on the quality of our products and services and the optimization of customer-relevant procedures.

We strive to improve our standards on a daily basis. It is not by chance that SIKO's marketing and customer care stands for ...

- Personal and qualified advice
- Worldwide availability with sales offices and representatives
- International trade fair presence
- A versatile range of product types
- On-demand production with optimized delivery times - exactly on schedule, flexible, needs-oriented
- Uncomplicated release procedure for test runs on site
- Planning and performance of cooperative customer projects



All quality standards are internationally valid

Our quality assurance guarantees a consistently high standard of product quality. This is of crucial importance in a competitive environment. ISO certification, for example, is a transparent mechanism designed to help all workers in a process achieve a consistent, constantly verifiable performance. This is why quality tests are an integral part of the process chain in all our manufacturing segments.











PositionLine

PositionLine is an application-proven product family which has evolved in line with user requirements. Consistent further developments enable SIKO to adapt its universally applicable mechanical-digital position indicators and handwheels to present-day generations of programmable electronic indicators, thereby enabling bus-controlled use.

Mechanical control knobs are a special development: They combine miniaturized handwheel technology with gear-supported mechanical-digital indicators.

Mechanical-digital position indicators

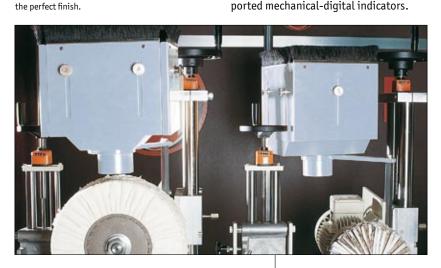
enable reliable display of numeric measured values and clear adjustment control of axle movements.

Benefits:

- Low-cost, robust measurement system
- Easy hollow-shaft mounting
- Clear, precise digital display values thanks to integrated counter
- Individual gear ratios and displays
- Cost-efficient retrofitting

Specifications

Hollow shafts Ø 6−35 mm Maximum digit height 7 mm Mechanical detent/blocking Selectable design (reading position) Plastic or metal housing



A view to the future!

Surface finishing in the furniture industry:

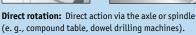
Optimum coordination

of tools using digital

indicators guarantees

The original "SIKO counters" continue to be the world's most popular mechanical measurement systems for positioning limit stops and tools in the entire field of mechanical engineering. As the global market leader in the area of mechanical counters, SIKO provides the optimum platform for goal-oriented development of electronic position indicators with extended functionality. These superior measurement systems have standardized mounting sizes, which simplify retrofitting.











Indirect rotation: Indirect action via cogwheel or worm gear on racks (e.g., saws, milling tables).

Digital indicators, control knobs



Electronic-digital position indicators

provide flexible, electronic capture of measured values and semi-automatic adjustment control at axles.

Benefits:

- Display reading, sense of rotation and and decimal place are freely programmable
- Function keys for reset, incremental measurement and offset acquisition
- Fieldbus connection for manual balancing of target and actual values
- Easy retrofitting thanks to "SIKO counter" compatible outside dimensions

Specifications

Specifications
LCD indicators
Absolute, battery-buffered
Programmable parameters
Resolutions up to 0.001 mm
RS 485 bus interface



are handy adjustment units with an integrated measurement system for variable mounting situations.

Benefits:

- Compact design
- Unit consisting of an adjustment knob and a mechanical position indicator
- Arbitrary mounting positions
- Analog or digital display of measured values
- Special scales (analog control knobs)
- Flexible reading positions

Specifications

Metal or plastic knobs

Hollow shafts Ø 6–14 mm
Display integrated in the adjustment element
Analog and digital displays
Design (reading position) feely selectable

Mechanical-analog position indicators and handwheels

measure rotations via high-resolution analog displays in high-quality, sturdy housing.



Benefits:

- Freely imprintable scales for flexible display of values
- Excellent reading quality thanks to large analog scales
- Precise display of measurement values on a two-line display
- Angle display
- Robust handwheels made of metal or fiberglass-reinforced plastic

Specifications

Handwheel Ø 56 – 320 mm

Analog display with scale
Digital thanks to integrated display
Corrosion and vibration-resistant, oil-filled
Metal or plastic handwheels





Groundbreaking innovations

Measurement technology in miniature – perfect interplay of existing mechanical and electronic principles. Years of experience have made this possible. We always have the user's long-term benefit in mind.



The new electronic position indicators and mechanical control knobs set future trends in overall size and functionality. Our main concern is flexibility for the customer – options such as free programming of parameters or custom-imprinted scaling speak for themselves.



Intelligent new development: AP04 with bus interfaces for semi-automatic spindle adjustments.

RotoLine

SIKO has successfully united the product family of rotary encoders under the name RotoLine. Extensive product know-how has produced a versatile palette of different models and versions. This ranges from low-priced rotary encoders in miniature format with a simple mechanical construction to high-resolution products in sophisticated aluminum housing made of plastic or robust aluminum pressure die-casting.



Benefits:

Incremental and absolute measurement

Magnetic rotary encoders

provide an interference-

free measuring method,

particularly in extreme

thanks to a magnetic sens-

insensitive to interference.

ing technology which is

industrial conditions.

- High shock, vibration and temperature resistance
- Insensitive to oils, lubricants, dirt, and water
- Wear- and maintenance-free sensor unit
- Universally applicable: different hollow and solid shaft versions
- Compact design thanks to the highly integrated sensor unit

Magnetic incremental encoders

Hollow shafts Ø 6–22 mm

Solid shafts Ø 5–10 mm

Resolutions up to 2560 pulses/revolution

Output circuits: PP, OP, LD5, LD24

Up to IP65 protection category

Magnetic angle encoders

Nollow shafts Ø 10–20 mm

Solid shafts Ø 6–10 mm

Resolutions up to 4096 pulses/revolution (12 bit)

Output circuits: SSI, CAN-Bus, Profibus

Up to IP65 protection category



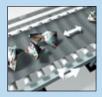
Even when high resolution and dynamics are required, e.g., with inspection of chassis parts or rough wood processing in extreme weather conditions – SIKO offers the perfect measurement solution for all measurement requirements.

Three product areas for versatile application

SIKO rotary encoders play a major role in measurement of distance, angle or revolutions in machine and plant engineering. The choice of measuring principle depends on the required measurement result and the ambient conditions.



Magnetic rotary encoders are extremely insensitive to external influences (e. g., in food production or metalworking).



Optical rotary encoders detect revolutions and speeds even under high mechanical loads (e.g., in delivery or sorting technology).





Geared potentiometers operate according to an absolute principle, making them suitable for level and distance as well as path, position and angle measurement (e. g., with mobile crane jibs or gate control).

Rotary encoders

Optical rotary encoders

are the instruments of choice for applications requiring particularly high resolutions.



Benefits:

- Incremental and absolute value encoders
- Very high resolution
- Precise positioning
- Easy mounting
- High mechanical load
- Arbitrary mounting positions
- Various solid and hollow shafts

Optical incremental encoders

Hollow shafts Ø 10-20 mm Solid shafts Ø 6−16 mm Resolutions up to 1024 pulses/revolution Output circuits: PP, OC, OP, LD5, LD24 Up to IP65 protection category

Optical angle encoders

and potentiomet

Hollow shafts Ø 16-20 mm Resolutions up to 8192 pulses/revolution (13 bit) and up to 4096 revolutions (12 Bit) Output circuits: SSI, Profibus, Inter-Bus, RS485 Up to IP65 protection category

Geared potentiometers

are well known for their robust analog technology. Measured values are recorded absolutely, which means there is no need for referencing.

Benefits:

- Long service life
- Optimized installation size
- Absolute measurement
- The encoder's analog output signal can be used in a variety of ways
- Simple integration thanks to hollowshaft and solid-shaft technology
- Various gear ratios enable adaption to the customer's individual measuring range

Geared potentiometers

Hollow shafts Ø 14-20 mm Solid shafts Ø 6-20 mm Potentiometer output: current 4 ... 20 mA, voltage 0 ... 10 V Up to IP68 protection category

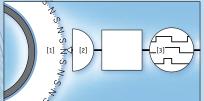


Inside a magnetic encoder with integrated realtime signal processing.



Absolute encoders and their signal sources: the actuating cams of the geared potentiometer, the optical disk, and the particularly robust magnetic measurement method.





Magnetic ring [1], sensor [2], digital signals [3]

Successful measurement principles

The inner values of our measurement technology are the key to determining possible areas of application. SIKO's high-tech know-how of recording position values has resulted from decades of constant development.

We use our own - often patented - procedures to ensure that all encoders leaving our premises bear the seal of approval "Made by SIKO".



LinearLine

Measurement systems based on the drawwire principle are very handy, since attaching the wire to the adjustment unit is quick, easy and particularly inexpensive. Wire-actuated encoders are suitable for a wide range of measurement tasks under very varied conditions. They work reliably even without additional mechanical protection, e.g., on hoisting platforms or fork lifts.

Incremental or absolute measuring principles are available. These SIKO encoders cover almost the entire range of industrial applications - from compact designs

in miniature format and a measuring length of 600 mm to solutions with wireextension lengths of 40 m.

Benefits:

- Variable measurement lengths
- Easy adaptation of encoders
- Standardized interfaces
- Uncomplicated, fast mounting

Specifications

Measurement lengths of 600 ... 40 000 mm Potentiometer output: current 4 ... 20 mA, voltage 0 ... 10 V

Incremental or absolute outputs:

SSI, CAN-Bus, Profibus

Robust housings made of plastic or metal

Various wire versions



Ensuring safe standing or determination of optimum work height wire encoders are used for support adjustment and control of elevating platforms.



600 6000 12000 The wire-actuated encoder principle in its smallest version: Miniature encoders, here SIKO's SG5, are the logical answer for ongoing integration in industrial products and processes. Typical applications for wire-actuated encoders are positioning of patient tables, adjustment of seats or controlled deflection of chassis.

Wire-actuated encoders



Wire-actuated encoders are ideal for integration in telescope-type systems. This affords protection against environmental influences (e.g., hoisting platforms).





Direct position feedback of the winch. By extending the wire, wire-actuated encoders can be positioned outside the danger or humidity zone (e.g., with fork lifts, stage technology).



DriveLine

In many branches of industry, frequent product changes with varying product sizes are part of the daily routine. This also involves frequent setting and adjustment tasks at feed and auxiliary axes. Non-productive times and wastage reduce the efficiency of a production chain.

DriveLine is designed for intelligent networking: If several modules are incorporated in a cooperating system, axle and spindle adjustments are about four times faster and far more precise than those conducted manually. Productivity can easily be increased by up to 30% with DriveLine actuators.

Benefits:

- Automation technology with an excellent price-performance ratio
- Simple control behavior
- High start-up torque
- Long service life

DriveLine

Hollow shafts Ø 6−20 mm

Solid shafts Ø 5−10 mm

Torque 3.2-15 Nm

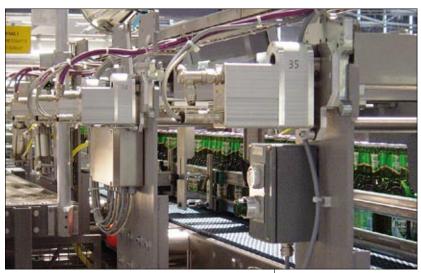
Speed 35 rpm -1600 min

Resolutions up to 1024 pulses/revolution

Output circuits: PP, OP, LD5, LD24,

Potentiometer, fieldbus

IP65 protection category



Improved efficiency in axle adjustment: The true strength of DriveLine's actuators lies in the series connection. When they are centrally controlled, they perform their adjustment task synchronously.

Actuators



High torque with safety on the axle

DriveLine opens up demanding application areas in industrial automation.

AG04B is the most recent development in this line of products. Besides a high torque which enables dirt-bound spindles to break free, the AG04B is also available with an integrated spring brake. This really is added value, as this technique provides additional safety at the adjustment axle.



Direct adjustment:Direct action via the axle or spindle.



Indirect adjustment: Indirect action on racks via cogwheel or worm gear



Rotative adjustment: Direct action on the rotation axis or indirect action (offset) via a worm gear or bevel

Magnetic length and angle measurement systems

MagLine

Instead of measurement systems based on encoders with rack-and-pinion, the product family MagLine uses a contact-less system based on a magnetic principle.

MagLine has continued to expand since its initial introduction. The four product groups stand for versatile measurement solutions, which can be integrated with great flexibility. These long-life, efficient measurement systems are of particular benefit in modern mechanical engineering.

Key areas of application are measurement of linear and radial positions, angle values and revolutions.

Benefits:

- No-wear technology
- Insensitive to dust, chips, humidity, oils, fats, etc.
- Highly resistant to shock and vibrations
- No measurement errors due to gear ratios or gear play
- High system accuracy and reproducibilty
- Easy handling and mounting



This high-resolution feedback system is especially designed for precise, highly dynamic processes with special measurement requirements in the µm range.



Benefits:

- Measurement lengths up to max. 90 m
- Freely definable parameters
- Sensors with and without integrated translation module
- System for incremental or absolute measurement
- Primary areas of application in linear and rotative guide and drive engineering

MagLine Micro

Resolution max. 0.2 µm
System accuracy ±10 µm
Repeat accuracy ±1 µm
Sensor-band gap max. 0.4 mm

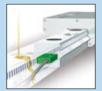


Use of MagLine Micro on a linear motor: The sensor and the magnetic band of the measurement system are both perfectly integrated.

Magnetic length and angle measurement systems

Innovative measurement system for extreme industrial conditions

MagLine is suitable for a variety of special tasks, thanks to its constantly expanding spectrum of components in various specifications. MagLine's technology offers future-oriented, extremely versatile measurement solutions providing flexible integration and ongoing development in line with our customers' requirements.



MagLine Micro detects distance information in the µm range, e. g., linear actuators, even in cases of extreme contamination.



In MagLine Basic, the magnetic band is also used as the system's measuring scale. The flexible design of the magnetic band allows it to be bent to a radius and used for simple angle measurement, e. g., with limit stop technology.



The small, compact band and sensor allow integration of MagLine Macro in nearly every kind of linear guide system, even on very rough guides such as those used in storage or conveyor technology.



Even when the magnetic band is completely covered with oil, MagLine Roto's measurement system still captures motor speed reliably and passes it on to the controls.



The application-proven, cleverly-devised Basic product series offers a particularly wide spectrum of components. An efficient solution for many individual applications, which fulfills all standard requirements of measurement precision.

Benefits:

- Measurement lengths up to max. 90 m
- Sensors with or without integrated translation module
- System for incremental or absolute measurement
- Complete systems with sensor and connected display

MagLine Basic

Resolution max. 1 µm
System accuracy ±25 μm
Repeat accuracy ±10 μm
Sensor-band gap max. 2 mm



MagLine Macro

Specially designed for very long measurement distances, MagLine Macro enables safe position detection with millimeter accuracy and interplay of many flexible units.

Benefits:

- Measurement lengths up to max. 160 m
- A reading distance of up to 20 mm forgives height impacts in the measuring length
- System for incremental or absolute measurement
- Especially suitable for long measuring lengths, it finds its main use in storage and conveyor technology

MagLine Macro

Resolution max. 0.25 mm	
Systewm accuracy ±1 mm	
Repeat accuracy ±1 mm	
Sensor-band gap max. 20 mm	

MagLine Roto

The Roto Series is the ideal alternative to conventional optical encoder systems - especially for exact revolution or angle measurement in extreme conditions.

Benefits:

Capture of measurement values under difficult environmental conditions



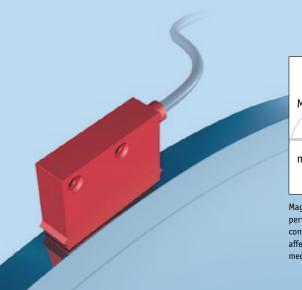
- Particularly long service life, since strong mechanical loads are not transmitted to the measurement system
- Typical application areas are rotation or angle measurement, e.g., at rotary tables

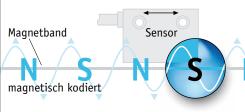
MagLine Roto

Resolutions typ. up to 200 000 pulses/revolution System accuracy ±0.1° Repeat accuracy ±1 Inkrement Sensor-band gap max. 2 mm



Magnetic measurement technology in a customized solution: Closed-loop, electronic length stop with circular saws.





MagLine senses magnetic fields contactlessly and converts the periodic signals received into analog or digital values. The direct, contactless measurement principle prevents mechanical influences affecting the measurement result and allows simple integration in mechanical engineering situations.

DisplayLine

Excellent readability, ergonomic handling and particularly smart use – SIKO's electronic displays are multifunctional, electronic measurement solutions. They provide effortless display of distance and angle information, rotation, speed or number of pieces.



All displays have clearly marked scales, very good LCD contrast and easy readability. The front foils allow sensitive, distinct key pressure.



Benefits:

- Simultaneous display of up to three measurement processes
- Simple adaptation to different sensor interfaces
- Freely programmable parameters
- Various operation voltages
- Good readability of the display
- Standardized designs for easy integration

DisplayLine

7-digits (LED) or LC displays
Operating voltage 24 V DC, 24 V AC,
110 V AC, 230 V AC
Counter inputs: PP 24-V signals,
LD 5-V signals, serial SSI, number of pieces,
speed and analog 0–10 V, 4–20 mA
External calibration or referencing possible
Optional interfaces: RS232/RS485





Electronic displays



Display direct at the measuring point

With production processes involving frequent changes of product (e. g., dowel drilling machines, 3D drawings), it is usually quicker to perform many of the machine settings by hand, because frequent control checks are needed. It is easier to make direct adjustment of display specifications with a setting that has actually been made.

Whether as built-in or add-on devices, DisplayLine can be integrated within the staff's field of vision, which makes it ideal for entering and comparing control values at the machine. Measurements could be made with a combined encoder system (RotoLine encoder).

://siko.sp02.par Ansicht Eavo

Precision in

sch digitale F sche Stellknö 1

SIKO product lines

1 PositionLine

- Mechanical-digital position indicators
- Electronical-digital position indicators
- Mechanical control knobs
- Mechanical-analog position indicators

2 RotoLine

- Magnetic rotary encoders
- Optical rotary encoders
- Geared potentiometers

3 LinearLine

Wire-actuated encoders

4 DriveLine

Actuators

Download area

PDF data and program routines for our programmable devices are available via the SIKO Homepage. At www.siko.de you can find:

- Data sheets
- Catalogs
- User information
- Manuals
- GSD and EDS files

5 MagLine

- MagLine Micro
- MagLine Basic
- MagLine Macro
- MagLine Roto

6 DisplayLine





Advantages are:

- Native and neutral data formats, suitable for your CAD system
- Preview function and direct download
- Full-text search
- 24 h access to product catalog
- Versatile display options
- Free service

3D models for mechanical engineering

We offer constructors true-to-size, reduced-detail 3D data via the Cadenas platform. This allows configuration of attributes which define the contours of the SIKO device. After registering via our product pages in the internet, there is 24-hour online access to this service: www.siko.de







Germany

A dealer near you? Our website will help you. Just enter your postal code at www.siko.de/en/contact/germany and you will find the current contact data of the representative in your area. Or give us a call and we will be pleased to pass on the contact data.

International

SIKO is represented by our subsidiaries and trade partners all over the world: www.siko.de/en/contact/international

Africa	
Republic of South Africa	
Asia	
China	
Indonesia	
Israel	
Japan	
Malaysia	
Republic of Korea	
Singapore	
Taiwan	
Thailand	
Vietnam	
Australia	
Australia	
New Zealand	

Europe
Austria
Belgium
Croatia
Czech Republic
Denmark
Finland
France
Greece
Hungary
Italy
Lithuania
Luxembourg
Netherlands
Norway
Poland
Portugal
Russian Federation
Serbia and Montenegro
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey
Ukraine

America Brazil Canada Mexico United States



Sales management, LinearLine Jürgen Schuh Tel. +49 7661 394-357



Area management
MagLine
Andreas Wiessler
Tel. +49 7661 394-358



MagLine Germanspeaking countries Uwe Frey Tel. +49 7661 394-404



MagLine international Maurizio Masullo Tel. +49 7661 394-254

Technical or marketing queries?

United Kingdom

No two applications are the same. Whether you are a new customer or a user of our products, you are important to us and we want to offer you the best we have: the dedicated, personal support of experts with excellent training. This makes us unique.





PositionLine Electronics Sven Wischnewski Tel. +49 7661 394-352



DriveLineMichael Schwab
Tel. +49 7661 394-405



Contact international: Europe except Russia Anita Senentz Tel. +49 7661 394-320



PositionLine Mechanics Dorina Stoll Tel. +49 7661 394-402



RotoLine, DisplayLine Reiner Hanser Tel. +49 7661 394-385



Contact international: Russia, overseas Andrea Ott Tel. +49 7661 394-415



Marketing Andrea Schmidt Tel. +49 7661 394-417

Contact persons



SIKO GmbH

Weihermattenweg 2 D-79256 Buchenbach

Telephone

+49 7661 394-0

Telefax

+49 7661 394-388

E-Mail

info@siko.de

Internet

www.siko.de