

NUMERIK  
JENA



THE NEW GENERATION OF  
**LENGTH GAUGES**



# SPECTO METRO

The New Length Gauges  
from NUMERIK JENA





## **The new generation of length gauges, further developed by NUMERIK JENA**

The NUMERIK JENA brand, a specialist for particularly small length and angle measuring systems, is expanding its product portfolio with an innovative length gauge platform.

The new generation stands for reliability, accuracy and quality of the measuring systems. The proven SPECTO and METRO product families of the HEIDENHAIN brand have been redesigned, standardized and specifically further developed by NUMERIK JENA.

The new platform design offers many advantages for users in a wide range of (metrology) applications such as quality assurance or production metrology.

The benefits are the slim design, the robustness, high accuracy over the entire measuring range, a higher number of measuring points, the mounting compatibility and the usability of different variants in one application.

The production department at NUMERIK JENA has already specialized in length gauges for years. With the new generation of length gauges, the focus is set on a higher flexibility as well as the continuous further development of the products, tailored to the needs of our customers.

# SPECTO METRO

## The new design

The new platform unifies the design of the products and focuses on the SPECTO and METRO product families. This not only increases flexibility in use, but also facilitates adaptations within an existing measurement setup, increases safety in the process and saves effort as well as costs.

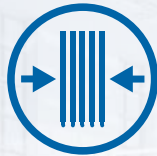


## A wide range of variants

The wide range of variants of the new length gauge generation offers the user a broad spectrum of possible applications. The probes are suitable for production metrology and for multi-point measuring stations as well as for monitoring measuring equipment and as position measuring devices.

Thus, the length gauges can be selected not only in different measuring lengths and connection variants, but also the type of bolt actuation, the interface as well as the accuracy.

- Measuring length: 12 and 30 mm
- Axial and radial connection variants
- Pneumatic or spring-driven
- 1V<sub>pp</sub> and TTL interface
- Accuracy class: METRO  $\pm 0,5 \mu\text{m}$  / SPECTO  $\pm 1,0 \mu\text{m}$



### **Minimal row width**

Thanks to a narrow form factor

### **Two connection variants**

Axial and radial



### **Two operating methods**

Pneumatic and spring-driven



## About us

NUMERIK JENA develops, manufactures and globally distributes encoders for distance, position and angular measurement with maximum resolution and precision. Our products not only feature particularly compact dimensions but are also universally applicable due to their versatility. The outstanding features of our EPIFLEX sensor modules make it possible to integrate them into almost all high-tech applications.

We draw from over 50 years of experience in the development, manufacture and sale of measuring systems. The roots of production metrology and its associated technology for the manufacture of precision scales go back to Carl Zeiss and Ernst Abbe. In following this great tradition, the goal of all our activities is continuous innovation and the improvement of our products.

Since 1998 we have been part of the HEIDENHAIN Corporate Group, where we work together on technical solutions that offer our customers advantages in the realization of their products. In doing so, the quality and reliability of the measuring systems is our top priority.

## Our location in Jena, Germany

Major names from Jena are familiar globally: this is where entrepreneurial success stories such as those of ZEISS, Jenoptik and SCHOTT began. In Jena, the cradle of the European optics and photonics industry, tradition is combined with strong, innovative companies in high-tech industries. With this recipe for success, Jena has established itself as a pioneering high-tech center in Central Germany.



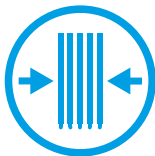
## ***Robustness & Longevity***

A high degree of robustness and durability is achieved through well-matched components and a high degree of in-house production.



## ***Precise Measurement***

A novel sensor layout in combination with a newly developed measuring standard ensure excellent signal quality. Extremely sophisticated electronics ensure highly accurate measurement results over the entire gauge length.



## ***Minimal Row Width***

The ultra-slim design of the length gauges results in a greatly reduced row width. This extends the scope of applications for the user.



## ***Time Saving***

Smart production processes and in-stock length gauges result in very short delivery times.



**NUMERIK JENA GmbH**

Im Semmicht 4

**07751 Jena, Germany**

☎ +49 3641 4728-230

pm@numerikjena.de

[www.numerikjena.com](http://www.numerikjena.com)

Sales contact:

# HEIDENHAIN

**DR. JOHANNES HEIDENHAIN GmbH**

Dr.-Johannes-Heidenhain-Straße 5

**83301 Traunreut, Germany**

☎ +49 8669 31-3132

hd@heidenhain.de

[www.heidenhain.com](http://www.heidenhain.com)