

INLINE

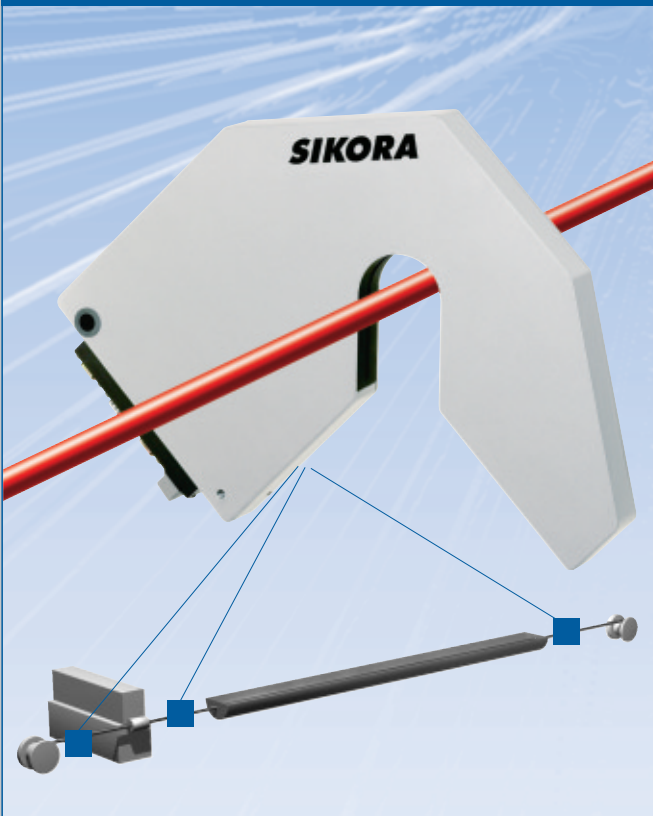
2000

Technology To Perfection

Measuring technique for cable production lines

- power cables
- LAN cables
- optical cables
- coaxial cables
- telephone and RF cables
- automotive and building wires
- tubes and hoses

LASER 2030XY XY-diameter gauge heads



SIKORA

INLINE 2000

Technology To Perfection

A completely new generation of measurement and testing equipment, laid out especially for production lines for power, LAN, optical, coaxial, telephone and RF cables, automotive and building wires as well as tubes and hoses.

- diameter measurement
- capacitance measurement
- eccentricity / diameter measurement
- lump / neckdown detection
- spark testing



LASER 2030XY

LASER 2030XY · XY-diameter gauge heads

LASER 2030XY swivel type version

In 2001 **SIKORA** has presented the diameter gauge head **LASER 2050XY** in a construction, which permits to swivel the gauge head out of the production area, as it is for example required at tool changes or at cable joints.

This construction is because of the very positive customer response now also available for the smaller 30 mm gauge head **LASER 2030XY**. The **LASER 2030XY** has a visual range of 30 mm and provides highest accuracy at the measurement of products with a diameter from 0,2 to 25 mm.

This measuring range is also covered by the **LASER 20250XY**, which is the conventional type of gauge head and giving you the possibility to select between the **LASER 2025XY** and the **LASER 2030XY**.

Typical features

- state of the art CCD-measuring technique combined with pulse driven laser diodes
- extremely short aperture time of 0,1 µsec.
- data processing is completely within the measuring head incl.
 - trend, statistics, calculation of standard deviation
 - FFT-analysis with a resolution in the nanometer range
 - SRL-prediction
- RS 485 / Profibus / analog interfaces
- RS 232 for PC-, modem-, internet-diagnosis
- extremely small dimensions because of SMD-technique
- almost unlimited lifetime

Technical data

LASER 2030XY	
product diameter	0,2 to 25 mm
accuracy*	+/- 1,0 µm
repeatability**	0,2 µm
resolution	1 µm (0,1 µm)
FFT-resolution	0,007 µm
exposure time	1,0 µs
measuring rate	500 / sec
dimensions	425 x 285 x 34 mm
power supply	100...245 V AC, 45...65 Hz, 10 VA
* + 0,01 % of the measured value	
** ± 3 σ, 1 sec	

subject to change without notice



Fulfills the requirements of
DIN EN ISO 9001-2000