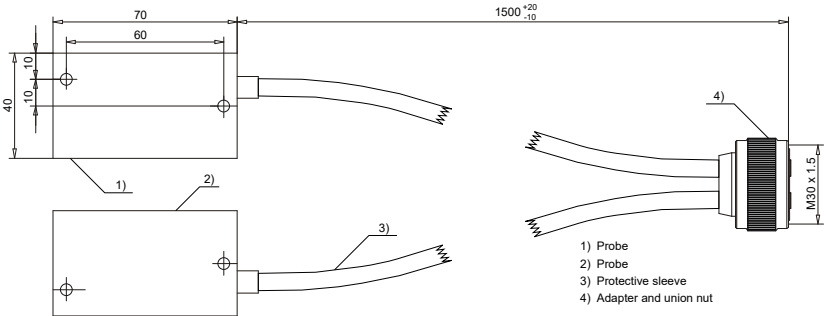


## Original operating manual: QWV-1500-04-L-50-90° Querschnittswandler-Lichtleiter



- Measuring head and hose made of stainless steel.
- Suitable for width measurement, web edge control, etc.

Type	QWV-1500-04-L-50-90°
<b>Technical Data</b>	
Scanning width	50mm
Optical aperture angle	approx. 67° at 880nm
Total length	1500
Single fiber diameter	50um
Average transmission	50-70% at 880nm
Minimum bending radius	50mm (Einzelbiegung)
Material Probe	Stainless steel 1.4301
Material protective sleeve	Stainless steel 1.4301
Material adapter	Stainless steel 1.4301
Material union nut	Ms 58 nickel plated
Fastening the scanning unit	Through the ø 4mm holes
Mounting on the sensor	Union nut M30
Enclosure rating	IP67
Ambient working temperature range, T <sub>amb</sub>	-20°C up to +120°C
Dimensions	

### Operating Manual / EC-/EU-declaration of conformity

**Function**

Together with appropriate sensors, the fiber optic cable type QWV-1500-04-L-50-90° enables precise position determination/width measurement of different objects.

**Installation instructions**

The light guides must be laid without twist and tension. In drag chains, the light guides must be able to move freely. The attenuation of the light guide can be increased massively by impermissibly small bending radii. In addition, the protective sheath or the optical fibers can be affected or seriously damaged at an early stage. The specified temperature range must not be fallen below or exceeded.

**Maintenance**

The light guides are maintenance-free. Use water or a mild detergent for cleaning. The optical light guides must be kept clean and free of grease.

**General safety informations**

- During installation, operation and maintenance the relevant regulations and guidelines must be observed.
- The light guides are not suitable for medical applications.
- The light guides must not be brought into direct contact with food.


**General notes, disposal**

We reserve the right to make changes. The light guide is built as environmentally friendly as possible. Irreparable or no longer used light guides must be disposed of in accordance with the applicable regulations.

**EU-Declaration of Conformity**

The product complies with the following standards and provisions:  
EN 60529, EMC directive 2014/30/EU, Machine directive 2006/42/EC  
The conformity of the devices with all used standards and directives and the observation of the Quality Management System ISO 9001:2015 declares:

Ehrendingen, 19.10.2020

  
 Pablo Ledergerber, Matrix Elektronik AG

QWV-1500-04-L-50-90°\_e1/2020-10-19/PDL

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