



## Repeatability test

Inspection of repeatability under laboratory conditions

VERIFICATION AND OPTIMIZATION

**SICK**  
Sensor Intelligence.



### Product description

Before delivery, SICK inspects the ordered devices under laboratory conditions over a period of up to 72 hours. Using different test gas concentrations, the zero point drift and linearity are tested for the defined area of application. This is used to verify that the repeatability of the ordered devices is within the specified range.

The extent of this test depends on the order and any customer-specific requirements. After successful completion, the customer receives a test report.

### At a glance

- Inspection of linearity and zero point drift under laboratory conditions
- Customer-specific test gas concentrations and measuring ranges
- Measurement period is up to 72 hours
- Submission of a test report when the test is complete
- Execution of the test at the respective SICK production site

### Your benefits

- Inspection of the devices in accordance with customer-specific requirements
- Confirmation of the repeatability of the devices for the respective area of application
- For system integrators: Protection of your own customers
- Documentation of results in a test report

### Ordering information

Additional services → [www.sick.com/Repeatability\\_test](http://www.sick.com/Repeatability_test)

- **Documentation:** creation of a test report
- **Note:** possible test gases and measuring ranges on request, the delivery time of the devices is extended by two weeks due to the repeatability test

Range of services	Type	Part no.
Testing of the repeatability of the measurement using test protocol, gradual application of binary gas mixtures made of test gas and nitrogen on the analyzer	Cold/dry extractive repeatability test - 48 hours	1612608
	In-situ repeatability test - 72 hours	1612610
Testing of the repeatability of the measurement using test protocol, gradual application of binary gas mixtures made of test gas and nitrogen on the analyzer, measurement period: 24 hours	Cold/dry extractive repeatability test - 24 hours	1612609
Testing of the repeatability of the measurement using test protocol, gradual application of binary gas mixtures made of test gas and nitrogen on the analyzer, measurement period: 8 hours	Hot/wet extractive repeatability test - 8 hours	1612612
	In-situ repeatability test - 8 hours	1612611

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)