

NEW NEW NEW

# PRODUCT HIGHLIGHT

analytikjena



## UNIQUE Detection – UNIQUE 10 Years Long-Term Warranty on NDIR

### Unique Warranty

Are you facing detection problems with your TOC analyzer frequently? You should work with the most robust and most sensitive NDIR detector for TOC analysis on the market!

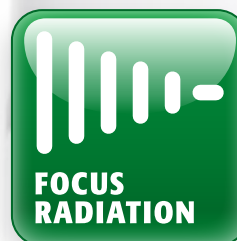
The unique **Focus Radiation NDIR Detector®** (FR-NDIR) for the multi N/C® series combines sensitivity and a wide working range with unique robustness. Analytik Jena guarantees that this new type of NDIR detector is corrosion-resistant, which ensures reliable results and high stability – throughout the entire lifetime of a device.

Analytik Jena gives you a 10 years long-term warranty for the „heart“ of each multi N/C® analyzer: the Focus Radiation NDIR Detector®.

### Focus Radiation NDIR Detector® – Your Benefits:

- Maximum energy efficiency
- No energy losses
- No corrosion – protection from aggressive samples
- No mechanical movable components
- Durability
- Low susceptibility to faults
- Low operating costs
- Guaranteed precise measurement results

### High Performance TOC Analyzer multi N/C®

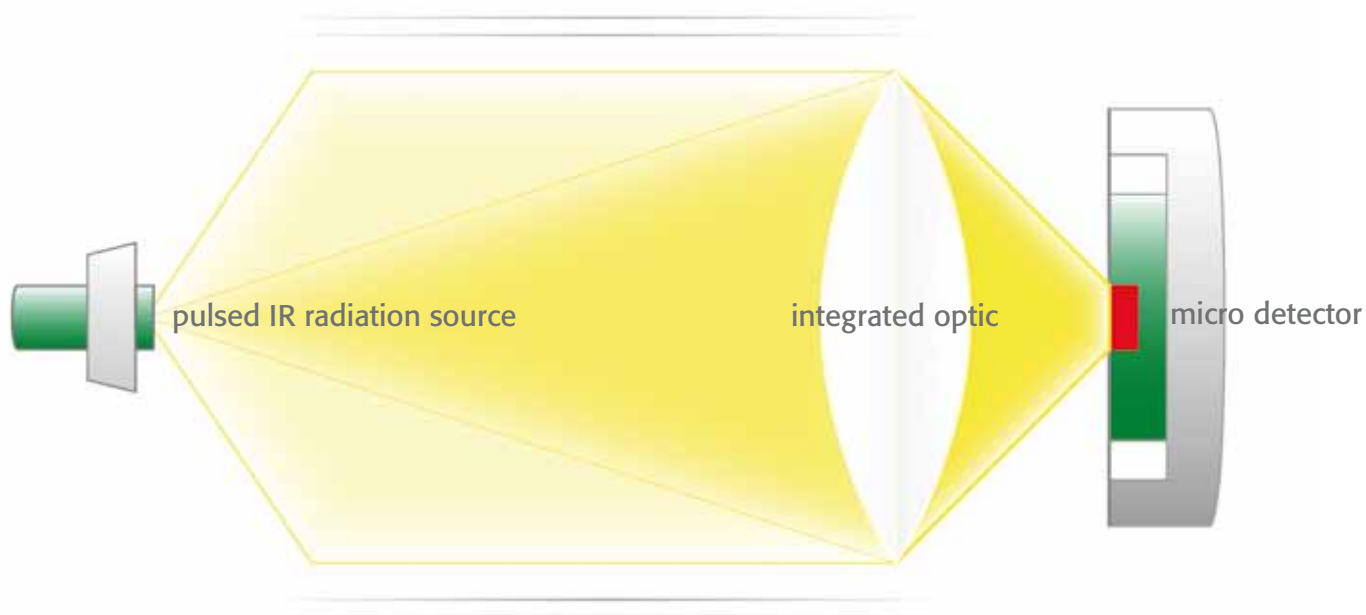


# UNIQUE Detection – UNIQUE 10 Years Long-Term Warranty on NDIR

## Unique Technology

The Focus Radiation NDIR Detector® represents a **revolutionary and unique detector design**. With this detector assembly IR radiation is focused onto a micro detector with the help of integrated optics. Thus, radiation density surpasses classical detectors many times. There are no energy losses like known by corrosion-prone reflection based state-of-the-art NDIR detectors. Thus, higher sensitivity and long term stability are the brand mark of the Focus Radiation NDIR Detector®.

This is achieved also by the use of completely **corrosion-resistant materials** for the gas cuvette, for optimal protection from aggressive samples. Latest technologies, such as the electronically pulsed radiation source are replacing classical, mechanical movable components, which are prone to failure.



## Unique Working Range

Since the Focus Radiation NDIR Detector® is a wide range detector, you work with highest comfort. Samples in a **TOC concentration range from 0-30.000 mg/l** can be run undiluted and for **solid applications up to 500 mg of carbon** can be measured within the linear working range of the detector. Since the modern multiWin® software works with a full automatic calibration range selection for optimal measurement signal evaluation, you're truly prepared for any TOC sample entering your lab.

**multi N/C® – TOC analysis at the highest level – with the most robust and sensitive wide range NDIR detector in the market.**



## Analytik Jena AG | Analytical Instrumentation

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Subject to changes in design  
and scope of delivery as well as  
further technical development!

