



## NIR-Online Multipoint System

Control your entire process most economically

NIR-Online®

BUCHI NIR-Online® solutions enable continuous monitoring of key parameters such as moisture, protein, fat, ash, starch, fiber or residual oil at every process step. Innovative Multipoint heads provide the most cost-effective way to monitor relevant check points in e.g. the oil seed or grain milling industry as well as food and feed production.

### Economical

Extend one Multipoint sensor with up to nine Multipoint heads. Optimized utilization of patented optical fibers yields maximum savings.



### Fast payback

Average payback less than one year



### Extensive process expertise

Complete process solutions from requirement engineering to long-term technical and application support

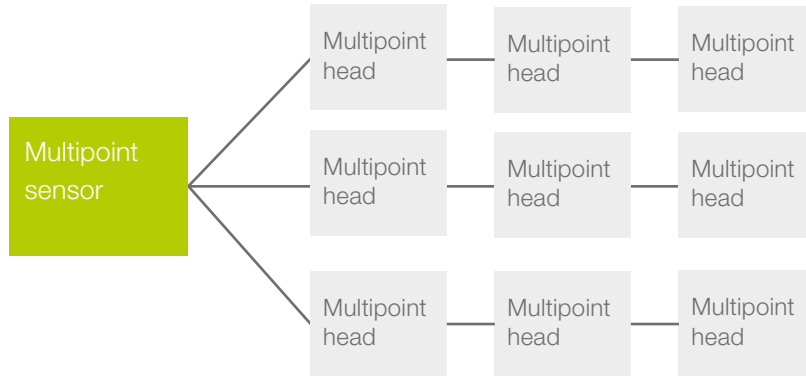


# NIR-Online Multipoint System

Key features and advantages

NIR-Online®

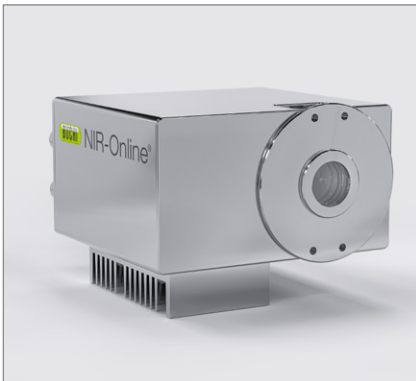
Extend one sensor with up to 9 heads



Configure your individual NIR-Online Multipoint System:  
[www.buchi.com/nir-online](http://www.buchi.com/nir-online)



## Outstanding characteristics



### Multipoint sensor

Our sensor itself is already your first measuring point. An ideal start for modular addition of Multipoint heads at any point in time.



### Extendable multiple measuring points

Scale up one Multipoint sensor with nine Multipoint heads at any time. Utmost flexibility and maximum process control.



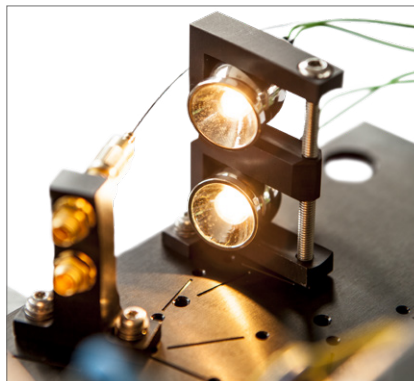
### Patented daisy chain connection

Our exceptional approach connects Multipoint heads daisy chained for budget-friendly installation of even remote measuring points.



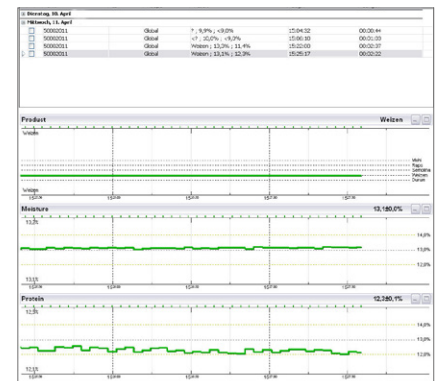
### ATEX certified

Multipoint sensor and heads are certified for utilization in dust-ex atmospheres.



### Dual lamp

Maximum system availability through automatic switching to a spare lamp.



### Software process integration

Numerous industry-standard interfaces for convenient transfer of acquired data to process control systems, e.g. from analog signal via Modbus and Profibus to TCP/IP.

## Hardware process integration

Our large portfolio of proven accessories covers e.g. solid, liquid, pasty, viscous or corrosive samples at a broad range of pressure and temperature conditions. Rapid process integration ensures a fast return of investment.



## NIR-Online Multipoint System: Your most important benefits



### Economical

- Budget-friendly control of entire processes with up to nine Multipoint heads sharing one Multipoint sensor
- Reduction of costly optical fibers thanks to patented daisy chain connection of Multipoint heads
- Time-saving automated report generation and auditing function for instant documentation
- AutoCalibration Function® eliminates the need to develop extensive in-house calibrations or purchase calibration data bases



### Fast payback

- Average return of investment less than one year
- Immediate process corrections minimize waste and re-work
- Optimization of key parameters for maximum profit margins



### Proven process expertise

- Robust design copes with harsh conditions such as vibrations, extreme temperatures, wind or humidity
- Easy operation with intuitive user interface and integration to process control systems
- Ingress protected (IP65) and ATEX certified (Dust-Ex)
- Turn-key solutions for demanding measuring points such as discontinuous product flows in bucket elevators

## Complete your portfolio



NIR-Online sensor with X-Rot module for laboratory analysis



ProxiMate™ for on-site analysis of samples in a glass-free environment



KjelMaster K-375 Steam distillation and titration



FatExtractor E-500 Quick and compliant fat extraction

