BUCHI
SWITZERLAND

NIR-Online®

NIR-Online Multipoint System
Control your entire process most economically

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 optical fibers (patent pending) yields maximum savings

Fast payback
Average payback less than one year

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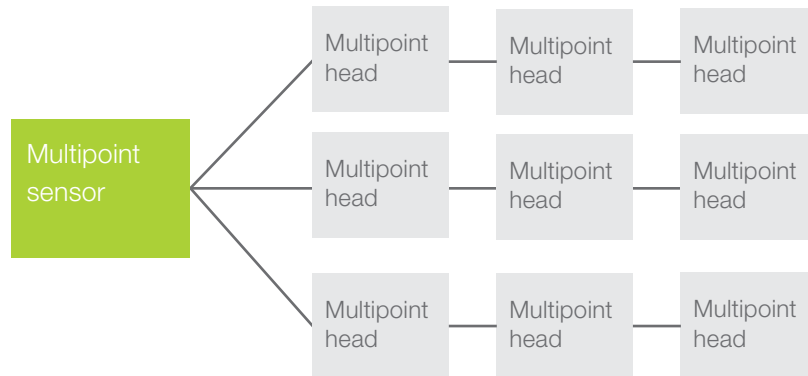Complete process solutions from requirement engineering to long-term technical and application support

NIR-Online®

Extend one sensor with up to 9 heads

Multipoint sensor	Multipoint head	Multipoint head	Multipoint head
Multipoint head	Multipoint head	Multipoint head
Multipoint head	Multipoint head	Multipoint head

Configure your individual NIR-Online Multipoint System:
www.buchi.com/nir-online
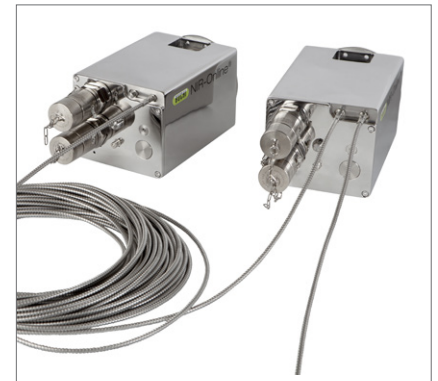
Outstanding characteristics

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.
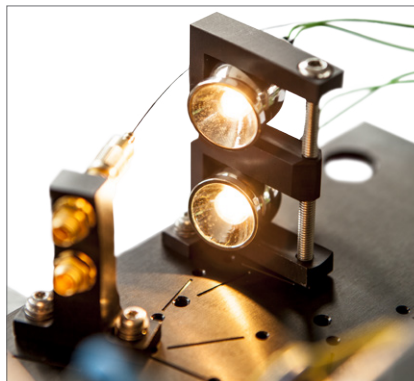

Daisy chain connected

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

ATEX certified

Multipoint sensor and heads are certified for utilization in potentially explosive gas and dust atmospheres. Superior safety at all times.

Dual lamp

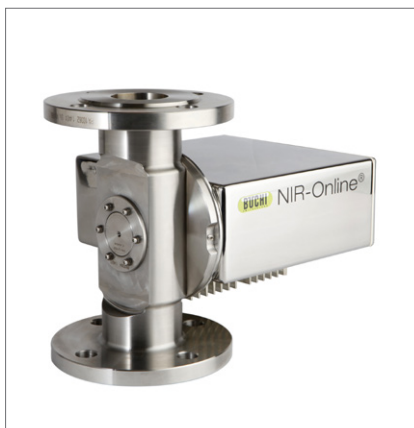Automatically switching spare lamp guarantees maximum system uptime.

Software process integration

Broad variety of industry standard interfaces for convenient transfer of acquired data to process control systems from e.g. analog I/O over 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 payback time.

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 daisy chain connection (patent pending) 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, IP66k) and ATEX certified (gas and dust)
· 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

NIRMaster™ Pro IP65
FT-NIR spectroscopy with maximum protection

KjelMaster K-375
Steam distillation and titration

Extraction Unit E-816 SOX & HE
Dedicated fat extraction

www.buchi.com/nir-online

Quality in your hands