



NIR-Online Process Analyzer

Real time process control

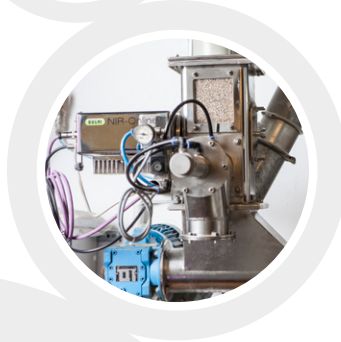
NIR-Online®

Closely monitoring key parameters such as moisture, fat or protein is crucial to correct deviations occurring in any manufacturing process. BUCHI NIR-Online® analyzers continuously provide accurate measurements within seconds to guarantee maximum production efficiency.



Ease of use

Minimal operator interactions required



Fast payback

Average payback period less than one year



Extensive process expertise

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



NIR-Online Process Analyzer

Key features and advantages

NIR-Online®



Configured to meet customer's demands.

Options include:

- extended NIR wavelength range
- visible light range
- high resolution CCD Camera
- wireless process integration
- ultra high speed sensor

Find out more:
www.buchi.com/nir-online



Outstanding characteristics



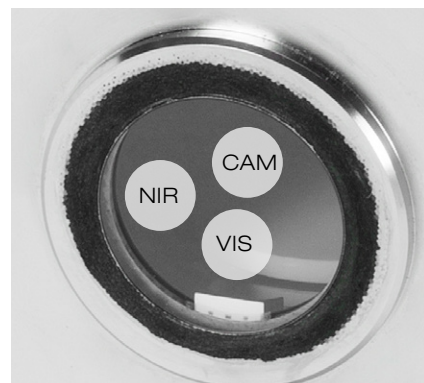
Diode array technology

High speed measurement of fast moving goods



Industry proven design

Robust design without moving parts copes with rough conditions like vibrations, extreme temperatures, wind or humidity



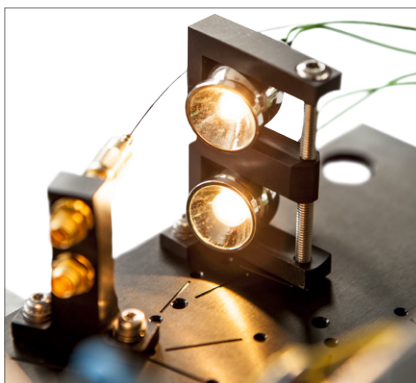
Multiple measurement options

Maximum information through combination of NIR, VIS and High Resolution CCD Camera in one unit



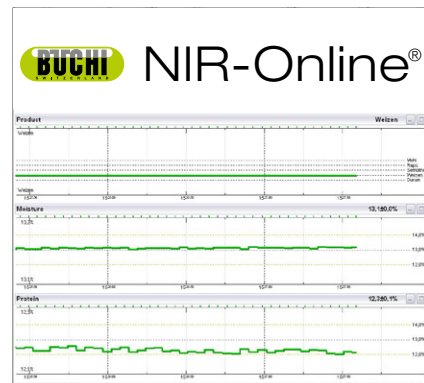
ATEX certified

Certified for utilization in potentially explosive gas and dust atmospheres. Superior safety at all times.



Dual lamp

Continuous operation with twin-lamp safeguard.

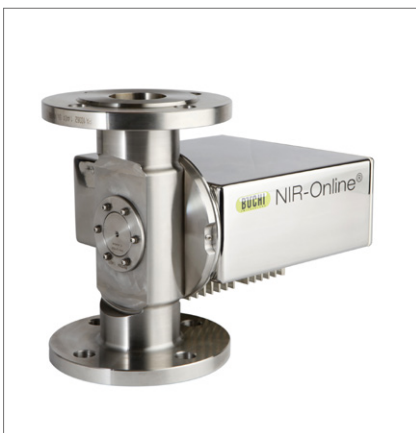


Software process integration

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 return of investment.



BUCHI NIR-Online®: Your most important benefits



Ease of use

Direct display of key parameters in the existing process control system

Fully automated:

- report generation and auditing function for instant documentation
- calibration function for effortless method optimization
- reference sample collection by optional bypass sampler



Fast payback

- Average payback period less than 1 year
- Immediate process corrections minimize waste and re-work
- Optimization of key parameters for maximum profit margins
- Patented AutoCalibration Function eliminates the need to develop extensive in-house calibrations or purchase calibration data bases



Extensive process expertise

- Straight forward 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
- Reliable results thanks to temperature controlled sensor

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-812 / E-816
SOX & HE
Dedicated fat extraction

