NIR-Online Process Analyzer
Real time process control

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

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

www.buchi.com/nir-online Quality in your hands