NIR MOISTURE ANALYSER
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The NIR-6700 Series of High Sensitivity Moisture Measurement and Control Systems is designed for the continuous monitoring of mineral & chemical applications using Near Infrared (NIR) technology.

Innovative Optical Design
The NIR-6700 optical design provides a foundation of measurement stability and reliability. High precision tolerances of machined parts and alignment of optical components ensure optimal performance.

Single-Point, Dual-Purpose Detector
The long established Quadrabeam Principle combines the measurement light path and the direct (prime) light path onto a single detector eliminating variations due to aging and operating temperature more effectively than expensive matched dual detector products. The large surface area detector (10mm²) minimizes error due to product height variation.

Collimated Energy Source
Effective use of power dramatically increases optical efficiency enabling the instrument to run significantly cooler. The reduced operating temperature inherently reduces stress on electronics and power supplies, increases the life of the instrument and further reduces costs associated with added temperature conditioning.

Optimized Electronic Signal Conditioning
Oversampling, 16-bit resolution and multiple-level digital filtering minimize signal noise. Proprietary design and state of the art electronic technology further enhances instrument performance.

Measured constituents
NIR technology is primarily used for the measurement and control of moisture in a number of applications. Additionally, the NIR Series Analyzers can measure many other properties of your product. If the constituent you are looking to measure has an absorption band within the near-infrared spectrum, the NIR Series can measure it.

- Low Moisture (0 - 30%)
- High Moisture (Above 30%)
- Coating Thickness
- Cellulose
- Hydrocarbon
- Lactose
- Nicotine
- Oil
- Phenolic Resin
- Polyethylene
- Polypropylene
- Protein
- Sugar
- Urea

FLSmidth and IMP Automation combine strengths