



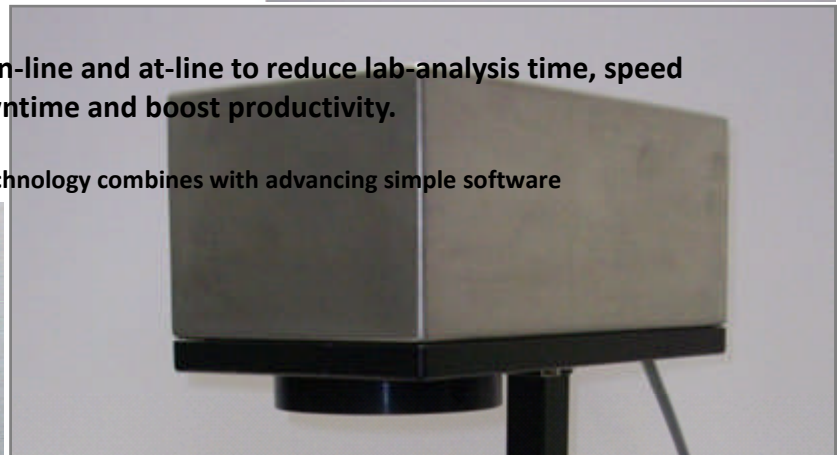
XIR NIR

On line Moisture Measurement

From Lab to Online

Online sensors measure Moisture on-line and at-line to reduce lab-analysis time, speed process adjustments, minimize downtime and boost productivity.

XIR instrument based on NIR (infrared) technology combines with advancing simple software



How to improve moisture, with the reduction variability in your process to save money

Used in a wide variety of industrial processes

Snack food; Animal food; Wood product; paper; Chemicals minerals and various bulk materials.

Installation and Calibration

The Transmitter is often placed over a conveyor, usually at a distance of about 7 inches (180 mm) from the product (**contact less Analyzer**)

Calibrations for most products have already been determined by RGI

So that the Transmitter is delivered **pre-calibrated**.

XIR is the most economical NIR Analyzer on the market due to its New technology . Without compromising of high accuracy and a maintenance free for harsh production environments.

XIR, easy to use, reliable and simple to install. Your choice for NIR infrared moisture analyzer

Stand alone transmitter/ Eliminate need for a additional control unit

No routine maintenance.

Provide analogue and digital signals for communication to computer, display and PLC

Advanced Features-Product Specifications

High stability of the measurement using a double beam optical system, no drift.

Infrared reflection with 4 wave lengths and double beam system (reference and product)

Measuring spot diameter :2.3 inches (60 mm) at a distance of 7.81 inches (200 mm)

Transmitter/Product distance 4.8 inches to 12 Inches (120 to 300 mm) standard d 7 inches (180 mm)

Measuring speed: 1 measure in 12,5 ms

Smoothing linear or exponential 0,1 to 180s

Analog output 0(4)-20 mA +/- 0,2% of full scale / 500 ohms maximum load

Communication 2 x RS485 ports (PC and display unit)

Calibration : 31 calibration model

Ambient temperature 32 °F to 104 °F (0-40 °C) without cooling

> 104 °F(40°C) air cooling panel > over 120 °F (50°C) water cooling panel

Dimensions 5.2 x 5.9 x 11 inches (130 x 149 x 277 mm)

Weight 11 lbs (5 kg)

Power supply 24 VDC (22V à 28V) /35 VAC

Accuracy subject to application < 1% or better

Accuracy i.e. milk powder 0.1%

Enclosure : Stainless Steel/ IP65/ NEMA 4

Software & calibration

Window base.

We provide you the calibration models as for foods ingredients

minerals; wood chips, potash

