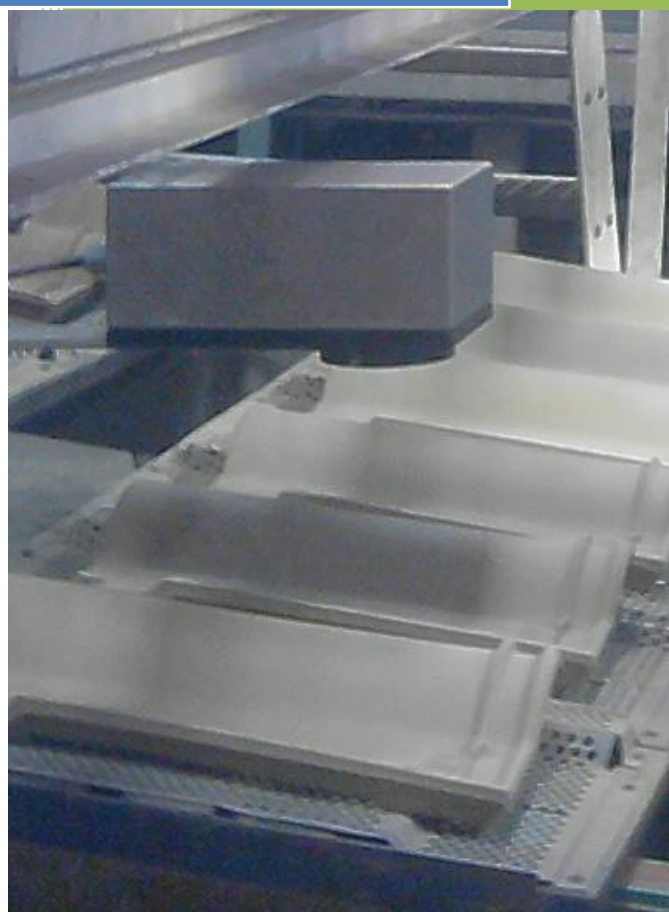# RGI

RICHTIG GUTE IDEEN

XIR NIR

On line Moisture Measurement

Near InfraRed analyzer for process
High performance
Low cost
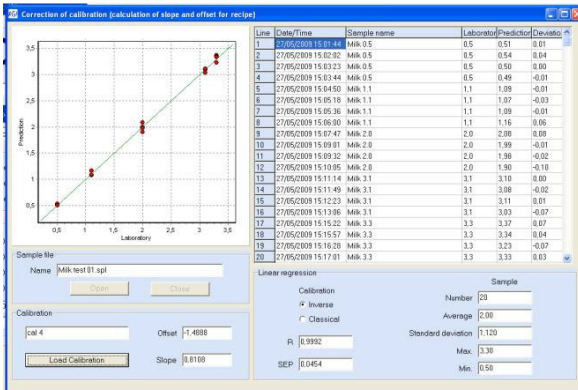
- High stability of measure with a double beam optical system, avoiding any drift of the analyzer.

- The system is indifferent to:
  - temperature
  - grain size
  - measuring distance

- High speed and large measuring area for moving product

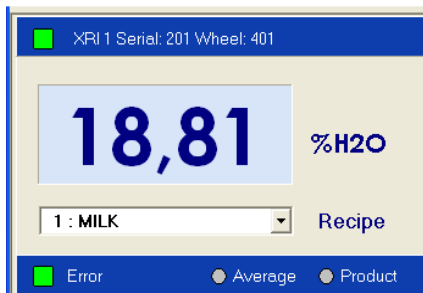- Quick and easy installation, supplied calibrations and simply correction

PROCESS

XIR NIR

A large range of products can be measured in any kind of industry. Accuracy is 1% or better depending of the product (1% of the maximum value of measurement range).

Examples of measured products	
Foods	**Construction materials**
Powder milk	Clay, tiles, bricks
Coffee, dry frozen coffee	Gypsum
Cacao powder	Cement
Chocolate, cacao beans	Sand
Sugar, pulps	Wood, woodchips
Starch	**Others**
Instant mashed potato	Paper
Crisps	Glue
Dehydrated product	Wool, Cotton
Lucerne	Alcohol
Sugared almonds	Propylen Glycol
Soya	Detergents
Minerals	Compost
Bauxite, copper…	Muds
Aluminium hydroxide	Peat
Bentonite	

Features	
Measuring system	Infrared reflection with 4 wavelenghts
	double beam system (reference and product)
Measuring area	60 mm diameter at a distance of 200 mm
Measuring distance	120 to 300 mm (180 mm typique)
Measuring speed	1 measure in 12,5 ms
Smoothing	linear or exponentiale 0,1 to 180 s
Analog output	0(4)-20 mA +/- 0,2% of full scale
	500 ohms maximum load
Communication	2 RS485 ports (PC and display unit)
Calibration	31 calibration curves
Working temperature	0 à 40 °C without cooling
	> à 40°C with air cooling
	> à 50°C with water cooling
Dimensions	130 x 149 x 277 mm
Weight	5 kg
Power supply	24 VDC (22V à 28V) /35 VA
Case	IP65

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