
Product Overview



INDUTECH was established in 1994 and is specialized on high performance ONLINE analysis for process control purposes and has 25 years experience in this field. Indutech's engineers works mainly in the following fields:

Measuring instruments for the food industry:

- Moisture content
- Fat content
- Protein content
- Concentration / Brix

Moisture measurement using microwave or infrared technologies for products as:

- Fertilizer
- Chemicals
- Pigment
- Pharmaceuticals
- Ceramic Powder/Plates
- Paper
- Pulp
- Wood Chips
- Chip Board
- Isolating boards
- Milk Products
- Butter
- Tobacco
- Cereals
- Coffee

Microwave moisture measurement in dryers with high temperature

Microwave moisture measurement to optimize the granulation process

Microwave density measurements in aqueous liquids or slurries

Optional: Compensation of air bubbles:

- Pulp
- Cottage cheese
- Crème Fraiche
- Yogurt

Coal industry and power stations with analyzers for:

- Ash content of coal
- Moisture content
- Sulphur content
- Solid and ash content in slurries
- Calorific value
- Carbon in fly ash

Potash industry with the following instruments:

- Potash meter
- Moisture meter
- Potash belt weigher
- Shaft balancing systems

Online elemental analysis with XRF to determine the chemical composition:

- Coal
- Cement
- Other Materials

Thickness measurement of coatings with infrared or XRF.

All systems include a sophisticated evaluation with **data acquisition, calibration, visualization and data recording** on a PC.

KNOW HOW

PMD 2450 Microwave Moisture meter

The PMD 2450 covers the experience of 4 generations of instruments based on the microwave transmission technique with the patented phase measurement developed by Dr. Klein. Hereby remarkable advantages are achieved compared to the previous instruments. This improves noticeably the accuracy measuring thin layers, inhomogeneous products and concentration measurements. The device is also available in an **explosion proof-version** for zone 1 und 2.

The instrument is installed e.g. :

- chemical industry
- coal industry
- paper industry
- food industry

Ais IRPC Infrared Meter

The IRPC was developed in cooperation with Nestle, after a successful test of the previous model in comparison with other instruments available on the market.

It is used to determine moisture, fat and protein. With special filters also other materials as acetone or alcohol are measured. The device is also available in an **explosion proof-version** for zone 1 und 2.

OXEA

The OXEA product line determines online the elemental composition of materials using the X-ray fluorescence. Indutech has used the X-ray fluorescence technique, which is very common as laboratory method, to develop an online analyzer for process control.

All elements with an atomic number > 12 are traceable down in the ppm-range.

In the beginning the analyzer was mainly installed in coal fired power stations to determine sulphur- and ash content. In the meantime OXEA is used in several branches, e.g.:

- power stations
- steel works
- cement works
- pharma industry
- food industry

Further products of Indutech are online-analyzers to determine the **ash content** of coal and the **potassium content** of potash.

Service

Remote service is available for all instruments via modem. This **saves time and money.**



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