

M.C. TEC

Measurement & Control Technology

for process en laboratory analysis



- ▲ Testing instruments for paper & cardboard
- ▲ Moisture measurement
- ▲ Brix- en concentration measurement
- ▲ Radiation measurement

M.C. TEC

M.C. TEC is a leading supplier of advanced measurement equipment. We are active in the sales and service of laboratory and online process instrumentation. From our headquarters in The Netherlands we offer our measurement solutions and services.

A huge commitment to service and support means our customers can rely on us to help them to get the best performance out of their investment. Our experienced sales team ensures your requirements are matched with the best options available at the moment.

Our dedicated support team provides installation, commissioning, maintenance and repair services. We also offer certification of instruments and service contracts. Thereby we ensure that the required preventive maintenance & certification work is carried out in time. M.C. TEC engineers are VCA safety certified and fully capable to provide the required service.



Service on site

Testing instruments for paper & cardboard

For quality control and R&D of the various properties of pulp, paper, cardboard and packaging we offer a wide range of testing instruments. We supply tensile testers for measuring the tensile strength but also micro meters, sheet formers, fibre analyzers and many other instruments.



Testline for various measurements like colour, thickness, smoothness, roughness, tensile, base weight, moisture etc.



Bendtsen porosity and roughness



Sheet former



Fibre analyzer



Tensile tester

Moisture measurement

Moisture is an important parameter in many products and is measured preferably on-line during the production process. On-line moisture measurement is important for process optimizing, quality improvement, energy reduction and for economic reasons.

Our moisture analyzers use non-destructive techniques. For moisture measurement in powders and granulates we offer moisture analyzers based on NIR technology. This technology is based on the fact that specific wavelengths of infrared light are absorbed by water. In a split second we measure the actual moisture percentage. This on-line method provides a continuous measurement and makes direct process control possible.

We also supply moisture sensors based on a RF measurement technology. The NIR technology is a surface measurement and the RF technology provides a penetration measurement. This technology is based on radio waves and uses the principle that radio waves are damped and shifted in phases by materials. This is due to the fact that every material has its own dielectric constant (electrical conductivity). With this technology we can measure through material and it is often used for moisture measurement in gypsum boards and other board materials.



Moisture profile measurement



Moisture and fat in snacks



Moisture in sand



Food grade moisture sensor



Laboratory moisture analyzer



Handheld moisture meter



Moisture sensor for (gypsum) boards

Brix & concentration

Our refractometers and our microwave concentration sensors are used in the industry for the measurement of the concentration of solids in liquids and for the determination of the Brix-value. For various applications we offer different models. Our refractometers are also combined with CO-2 analyzers in our beverage process analyzers. Well known beverage producers use our systems and control their processes with our analyzers.



In-line refractometer



In-line concentration meter



Diet differential refractometer



In-line Brix & CO-2 analyzer

Radiation measurement

Our radiation measuring instruments are used in various markets. In the recycling and waste industry our handheld meters and portal detectors are used to detect and search for radioactive sources and contaminations. Our instruments comply with all Benelux and European regulations.

Research institutes, hospitals, government and the nuclear industry are other important markets where our personal dosimeters, handheld meters, spectrometers and portal detectors are used. For detecting radioactivity and dose rate measurements we supply equipment for accurate, fast and reliable measurements.



Spectrometers



Handheld dosimeter



Portal detectors



Radiation monitoring system

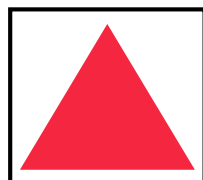


Contact:

This brochure gives you an impression of our possibilities. We are continuously developing our products. If you are looking for a way to optimize or control your product or your production process, please feel free to contact us. Together we will discuss which measurement solution is best in your case and we will advise you about the possibilities.

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