MWMtec
Microwave Measurement



MWMtec

Your competent partner with individual solutions for your measuring process

NUMEROUS FIELDS OF APPLICATION:

food industry | industrial sludges | paper | chemicals | waste water technology

MWM tec is active at international level in the area of process measuring technique. The company is located in the well-known technology region Karlsruhe in Baden-Wurttemberg.

Our expertise encompasses the manufacturing and distribution of industrial measuring technology for online determination of density/concentration of liquids by means of microwave transmission process. We dispose of a wide range of knowledge as well as extensive experience in the field of process measurement.

We furthermore offer individual solutions from one source which are conform to your specified application requirements, inclusive of technical support and commissioning on-site. Our measuring technology enables you to monitor, regulate and optimize your process flow online at a requested point.



MicroSinus - Microwave measurement equipment

MicroSinus

MICROWAVE DENSITY AND CONCENTRATION DEVICE ON THE LATEST STATE-OF-THE-ART

- ✓ highest measuring accuracy up to +/- 0,15% dry matter
- ✓ simple operation via touch display and individually-adjustable chart screen
- ✓ robust sensors
- ✓ consulting and project planning
- ✓ commissioning and training by our qualified engineers worldwide



Simple interface connection via M12 connector

Numerous fields of application:

- ✓ food industry
- ✓ industrial sludges
- ✓ waste water technology
- ✓ chemicals
- ✓ paper





Team

Our team consists of high-qualified engineers and technicians with long-standing experience in the field of high-frequency-technology (microwave measuring technology).

Quality

Due to constant evolution and employment of state-of-the-art technologies as well as our in-depth expertise you will benefit from an outstanding quality standard.

Availability

To meet your high requirements all of our components are exclusively made in Germany. Therewith a long-standing availability is also ensured.

Individual solutions

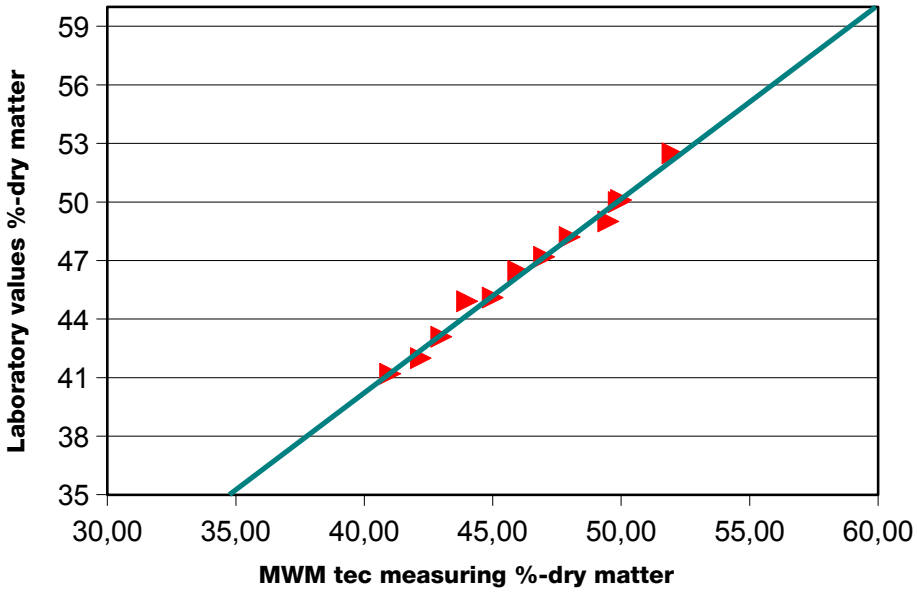
You are advised and accompanied by us right from the very beginning.

We will work out efficient solutions together with you in order to integrate our measuring devices optimally in your production process with the objective that your investment results in a great leverage factor for your enterprise.

Support & Training

We will provide you with expert installation instructions and also commissioning and training by our specialized staff worldwide.

MEASURING VALUES: LABORATORY IN RELATION TO THE ONLINE MEASUREMENT



The graph reflects the high accuracy of the MicroSinus to the reference values determined by laboratory

OPERATING DATA SHEET

Equipment Version:	MicroSinus
Measurement method:	Microwave transmission at 2.45 GHz
Transmission power:	10 mW max.
Measurment accuracy:	0,15 % TS reference to the laboratory
Display:	TFT 7“, resolution 800 x 480, 350 cd / m² LED, TTL
Operating panel:	Capacitive touch
Output signal:	2 x 4-20 mA, electrically isolated
Communication interface:	Modbus RTU, optional Profibus PA
Data interface:	USB 2.0 for software update (for reading data)
Data storage:	MicroSD slot
Power supply:	24 V DC
Current consumption:	1500 mA max.
Housing:	Aluminum-diecast GD AL Si12, Seal: PU foamed, hinges/covers: AL Mg Si 0,5, powder-coated. Colour: Graphite grey
Housing dimensions:	259 x 128 x 90mm (L x W x H)
Protection:	IP 65
Weight:	2,80 kg
Ambient temperature:	-10 to 50 °C (operational)

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MWM tec GmbH

Haid-und-Neu-Str. 7 | D-76131 Karlsruhe
T +49 721 7831 702-0 | F +49 721 7831 702-11
info@mwm-tec.de | www.mwm-tec.de