

About MW 1100

The portable moisture meter MW 1100 is a light-weight and handy model which allows operators to quickly and accurately monitor the moisture in a wide variety of products. It is intended for use in production, incoming goods inspection and quality control.

The sensor of the MW 1100 is flat and dish-like at the bottom, designed to ensure full contact with the sample under analysis. By putting the sensor on the product the measurement is done within a second and the moisture content is displayed.+

Supported product temperatures range from 5°C to 60°C, are read using the integral infrared temperature sensor and are compensated by optional thermally stabilized calibration.

The compact instrument is battery-operated and features a backlit LCD graphic display and integrated planar sensor. It comes in a compact portable case containing the measurement system, a universal wall power supply and USB interface cable.

Brief Description

Hand-held measurement instruments for quick moisture measurement in storage, in production, or in the field. The MW 1100 is outfitted with a planar sensor and is therefore especially compact and lightweight.

Advantages of Microwave



Moisture and density measurement



Measurement of core and surface moisture



Simple and longterm stable calibration



Independent of dust or dirt



Helps to reduce CO₂ footprint



Short ROI



ATEX protection possible



Industry 4.0 ready



Online-Cloud-Based support



Worldwide Service

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TEWS
MEASURABLY BETTER



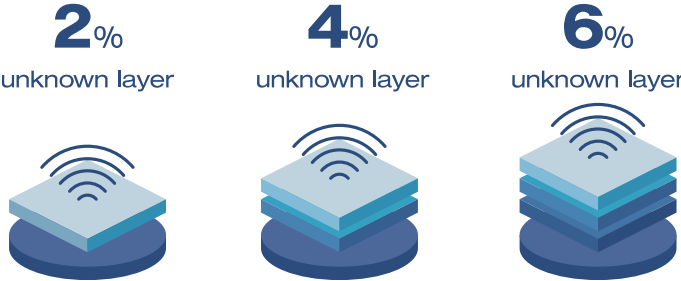
**Portable, Accurate and
Universally Applicable
MW 1100**

HIGH PERFORMANCE SOLUTIONS

Your production process combined with our patented solutions. The result: the most accurate data about the moisture & density of your products.

TEWS Measures Moisture and Density Independently

Traditional 1 - parameter - measurement



3 different layers of the same material with a typical 1 Parameter Method: Each layer increases the moisture → **misleading results**

TEWS - 2 - parameter measurement

2%
1 layer

2%
2 layers

2%
3 layers

3 layers of same material show the same moisture, the density is recognized and moisture result compensated → **correct results**

Technical Data

MW 1100 introduces you to fast mobile moisture measurement.

- Sample Temperature: 5 – 60 °C
- Ambient Temperature: 0 - 40 °C
- Measurement Time: Less than one second
- Product Memory: Up to 25 products
- Display: backlit LCD graphics display, screen diagonal 3,5 inches
- Reproducibility: Typical standard deviation with 10 x measurement 0.5% (material-dependent)
- Data Backup: EEPROM for storing 250 measurements
- Data Interfaces: USB
- Power Supply: NiMH battery
- Median Operating Duration: Approximately 5 hours (with fully charged battery)
- Protection Class: IP20
- Software: Besides the on-board firmware, PC communication can be operated using the convenient software "TEWS Moisture View Lite ©".

About TEWS

TEWS was founded in Hamburg, Germany back in 1970. Today, the company is owned and managed by André Tews in the 2nd generation of leadership. As the market leader in high performance moisture and density measurement solutions, TEWS is at the center of today's business for almost 50 years, now.

TEWS helps you streamline your processes, giving you the ability to collect and use data by applying a unique patented microwave technique across your production business.

When you run TEWS high performance solutions, you run measurably better. Let's look at your production structure together. And in a new, agile way we exchange, attach, discuss, omit or add knowledge. From this we develop new opportunities together. Bringing them into life brings your business forward at the same time. We call this Co-Improving.

