

About MW 1150

The microwave moisture measurement system is designed as a small compact laboratory instrument that can also easily be used at-line. The display is directly attached to the sensor for optimized space conditions. The MW 1150 is set up and calibrated via PC connection. It enables frequent measurements at a reasonable cost.

The system provides exact and reliable measurements in less than one second. The results are displayed on a 5.7" LCD monitor. Up to 250 readings can be stored internally for 25 different products.

Supported product temperatures, ranging from 5°C to 60°C, are read using an optional external Pt100 or infrared temperature sensor and are compensated by optional using an automatic thermally stabilized calibration.

Brief Description

The MW 1150, the measurement instrument for routine measurements in the laboratory or At-line. Clear, easy to operate, and dependable when measuring. Using a connectable P1150 Printer the results can be printed directly and documented. With the "TEWS Moisture View Lite" software the MW1150 can be easily calibrated using the PC.

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



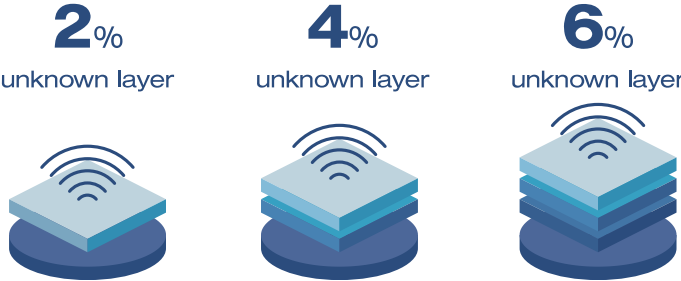
**Ideal for Routine Measurement
MW 1150**

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 1150 introduces you to fast microwave moisture measurement.

- Reproducibility: Typical standard deviation with 10 x measurement 0.5% (material-dependent)
- Electrical Power Supply: 110 - 230 V AC, 50-60 Hz
- Measurement Time: Less than 1 second
- Product Memory: Up to 25 products
- Data Backup: EEPROM for storing 250 measurements
- Equipment: Compact device with display, integrated sensor
- Display: LCD graphic display 320 x 240 pixels with background lighting, screen diagonal 14.5 cm (5.7 inches)
- Sample Temperature: 5°C – 60°C (Automatic material-dependent temperature compensation with optional temperature sensor)
- Ambient Temperature: 0°C – 40°C
- Protection Class: IP20
- Data Interfaces: USB (for PC)
- Outlets: Analogue outlet 0(4) - 20mA with galvanic separation
- 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.

