

About MW 4260/MW 4270 and MW4200

TEWS has developed a range of process instruments with which the moisture content as well as the bulk density can be continuously measured during the production process. With the help of microwave sensor that is integrated into the process, the values are measured and visualized reliably and accurately in a matter of seconds with up to 3,500 readings per second. A quick and targeted intervention in the production process is thus possible.

The process measurement instruments are made with tough industry environments in mind. For example, MW 42XX-series instruments optionally come in a compact housing. Variants with special explosion protection are available for installation in dust and gas Ex zones.

The MW 4270 features an integrated touch TFT screen for highest convenience and ease of use. The MW 4260 has a three lines display. All versions can be connected to a PC and controlled using the TMV software. The MW 4200 is the perfect alternative for applications where the distance between the sensor and the display needs to be longer (up to 8m).

Brief Description

Online measurement instruments for full real-time process inspection. With a built-in 10.4" (26,4 cm) color touch screen, for complete on-site operation and results display in the MW 4270, or with a small 5" (14,5 cm) screen to read the current measurement values and status display in the MW 4260.

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



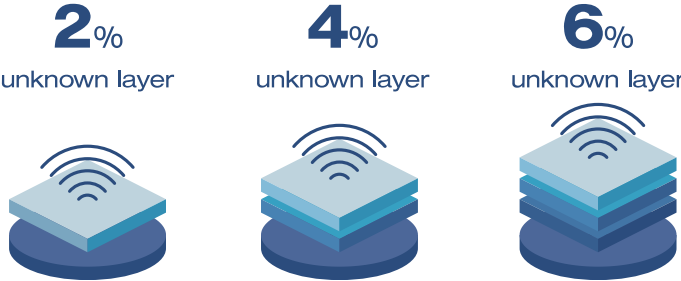
**Inline Measurement Solutions
MW 4260/MW 4270 and MW4200**

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

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

Technical Data

MW 4260/70 and MW 4200 introduce you to high-performance moisture and density inline measurement.

- Electrical Power Supply: 110 - 230 V AC, 50-60 Hz
- Power Consumption: 160 VA (MW 4260) or 200 VA (MW 4270)
- Ambient Temperature: 0 - 45 °C
- Display: MW 4270 – 10.4" (26,4) LED color touchscreen, MW 4260 – 5" (14,5 cm) LCD screen, MW 4200 – single line LED display
- Data Interfaces: 1 x Ethernet / 1 x analogue input (0/4-20 mA) / 3 x analogue output (0/4-20 mA) / 8 x potential-free digital outputs / 8 x digital inputs
- Options: Various Fieldbus and Modbus TCP
- Measurement Time: up to 3,500 measurements per second
- Data Memory: 60.000 measurements on device, unlimited on external server
- Features: IP55 protection for industrial use, ATEX protection possible for gas and dust

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.

