

Accurate, fast and easy to operate

TEWS Elektronik laboratory measuring instruments should be deployed whenever the moisture content of product samples needs to be measured accurately. They are useful where conventional moisture measuring methods, such as drying cabinets and Karl Fischer titrations are too time-consuming.

Analyses are independent of natural variations in product properties, such as color, grain size, salt content or bulk density. These robust and functional systems are extremely easy to operate - making operator error extremely unlikely. Measurements can be stored on a PC network or USB memory stick for further analysis.

A large number of different moisture sensors will be used in the operations of our laboratory measuring instruments. The tubular sensors are also able to measure density.



No preparation
of samples
required

The TEWS Elektronik measuring method allows the moisture in product samples to be measured without any preparation. No grinding, weighing before and after the test, or use of chemical reagents. The sample under analysis is neither modified nor heated and can usually be returned to ongoing use.

Results obtained
within seconds

Measurement results are obtained within seconds. As soon as the sample is filled into the sensor, the result will be displayed and can be stored. The speed of the results can often help to avoid costly process delays.

Analysis of results

Results are stored in the instrument together with the date, time and other operational details. The measuring system or an external PC, can be used to prepare a statistical analysis of results or display a time vs. value chart of sensor readings.

MW 4300 and
MW 4310

Laboratory tester MW 4300 features a 10.4" (26,4 cm) color touchscreen monitor for displaying sensor values and for the configuration parameter setup. For display and configuration, MW 4310 requires a commercially available monitor and PC-keyboard. TEWS Moisture View © is installed in both instruments.

STANDARD INTERFACES OF MW 4300 / 4310 LABORATORY MEASURING INSTRUMENTS:

- Serial RS 232 (modem, service)
- Ethernet
- 3 USB
- Analog input (0/4-20mA) for optional IR sensor
- Pt100 temperature sensor port
- Mouse, PC-keyboard, VGA monitor ports
- Automatic sensor detection

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