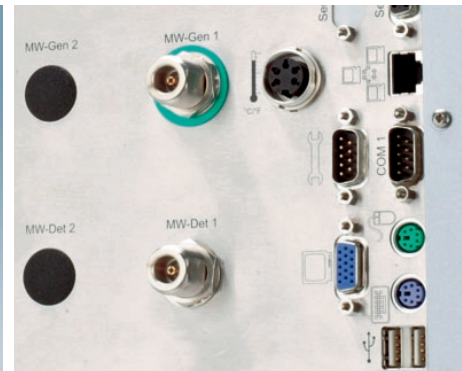




TEWS Elektronik's laboratory measuring units should be deployed whenever the moisture content of products needs to be measured quickly and extremely accurately. They are especially useful where conventional moisture measuring methods such as drying cabinets or semi-micro titration are too time-consuming.

Analyses are independent of natural variations in product properties such as color, grain size, salt content or bulk density. These robust and functional units 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 adapt to our laboratory measuring units. The tubular sensors are also able to measure density.



#### No preparation of samples required

The unique TEWS moisture measuring method allows product samples to be used 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 normal use – the non-destructive method.

#### Results obtained instantly

Measurement results are instantaneous. As soon as the sample is filled into or passed over the sensor, the display will show the result. These results can then be stored electronically for further analysis. The speed of the results can help to avoid costly process delays and ensures any problems are highlighted quickly.

#### Validation of results

Results are stored in the unit together with the date, time and other operational details. The unit itself, 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" color touchscreen monitor for displaying sensor values and for the configuration parameter setup. For display and configuration, MW 4310 needs to be separately equipped with a monitor, keyboard and mouse commercially available at all PC dealers. TEWS Moisture View is installed in both units as standard software.

#### STANDARD INTERFACES OF MW 4300 LABORATORY MEASURING UNITS:

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