Infratec[™] 1241 Test Weight Module



Infratec™ Test Weight Module allows automated accurate and rapid determination of volume weight for grain (wheat, rye, barley, oats).

Features and benefits

- Comes with all Infratec[™] 1241 features and benefits
- EEC type approved (*) Accuracy & repeatability in accordance with European legislation
- Fully automated operation to remove operator influence
- NIT & Test Weight measurements executed in one operation for ease of use
- Possible to switch on and off the TWM measurement independently of the NIT measurement
- NIT and Test Weight results presented on the Infratec display and printed together with the NIT results
- Balance can be calibrated & controlled with certified weights

The Test Weight Module

The Test Weight Module allows for accurate determination of the volume weight of a sample whilst the other constituents in the Infratec 1241 Analyser are determined simultaneously. Results for moisture and protein content are presented within a minute, together with the test weight as one of the Infratec parameters.

Test weight is a widely recognized specification in grain grading because it is related to the degree of quality. Test weight is often used as an index of milling potential. Moisture content, weathering, kernel size, density, and packing factors affect test weight. The volume weight can also be used as a silo management tool to optimize the storage space in the silo.

Operation of the Test Weight Module

When the Test Weight Module is installed underneath the Infratec, it becomes an integral part of the unit. The operator only needs to pour grain into the hopper section of the Infratec and retrieve it from the sample collection drawer of the Test Weight Module. Additional manual handling of the grain for the purpose of weighing has been eliminated. This ensures reliable and consistent results

During the analysis cycle, the sample is automatically loaded into the test cell. When the test cell is full, it is leveled off to assure proper cell packing and consistent sample volume. The sample is weighed, the Infratec makes all necessary calculations and adjustments, and the sample is released into the sample collection drawer. The test weight result is displayed together with the NIT results on the Infratec.



^{*}Type approved according to the European Council Directive 71/347/EEC. Certificate No. 379001.

Technical data Power Supply

Voltage: Connected internally to Infratec™ 1241

Dimensions: W×D×H: $500 \times 570 \times 125 \text{ mm}$

Sample Specification: Cereals
Sample Size: Minimum 0.5 1

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