

Inframatic 9500

Grain Analyzer



Benefits:

- Analyzes all Grains and Oilseeds
- Outstanding Accuracy
- Hectoliter/Test Weight (optional)
- NIR Networking

Inframatic 9500 Grain Analyzer

Perten Instruments is the number one company in grain quality testing and has produced Near Infrared grain analyzers for 30 years. The Inframatic 9500 is the latest Inframatic model, and offers the best accuracy available. It is reliable and robust, built to meet the requirements of grain handling operations and analyzes a wide range of grains and oilseeds for moisture, protein, oil and many other parameters in less than one minute.

Features & Benefits

Accuracy, Reliability and Fast Analyses: The Inframatic 9500 was designed with modern electronics and the highest precision optical components, guaranteeing the best possible data quality. Combined with the use of advanced chemometrics techniques, the result is unparalleled accuracy. Stable scanning grating optics and reliable calibrations guarantee that you will always get the correct results.

The robust construction of Inframatic 9500 with sealed module construction of standardized components guarantees long term reliability and makes the instrument virtually maintenance free. The short analysis time combined with the simple sample handling makes the Inframatic 9500 one of the fastest whole grain NIT analyzers in the market.

NIR Networking: When grading grain it is important to have full control over the calibrations used in each instrument and to be able to monitor performance in virtually real-time. By using Ethernet, the administration of the network will always be accessible 24 hours a day regardless of the location of the instruments. A large number of Inframatics are operated in networks globally.

Transferability: The optics house is machined out of a solid piece of metal, which guarantees all instruments to be identical to each other. Thus calibrations are fully transferable and all Inframatic 9500 units produce the same results for the same samples. Wavelength calibration is performed with NIST references, providing full traceability back to measurable standards.

Easy to Use: The large color touch screen with its intuitive menus makes it easy both to operate the instrument, and read analysis results – even from a distance. We have designed the user interface to make analysis as rapid and secure as possible. All the operator needs to do is to select which type of grain to analyze and pour it into the funnel. No manual settings or changes are necessary.



Specifications

Products: Wheat, Barley, Corn, Soybeans and many others

Parameters: Moisture, Protein, Oil, Hectoliter weight/Test Weight (optional) and many more

Analysis Time: ~50 s

Sample Size: 400 ml (650 ml with HLW/TW)

Subsamples: Up to 16 per sample

Analysis Principle: Scanning grating, Transmittance

Wavelength Range: 570–1100 nm

Size (W x D x H): 485 x 390 x 370 mm (485 x 390 x 510 mm with HLW/TW)

Weight: 34 kg (40 kg with HLW/TW)

Interfaces: Ethernet, 4 USB ports

Display: 12" color touch screen

Protection: Dust and humidity protected