

NIR analysis of grains

Granolyser



- quick results in less than 40 seconds
- big sample volume: 600 ml
- high res. NIR diode array technology
- more than 1000 single scans per sample
- coloured 8" LCD touch screen display
- integrated printer
- attractive price



**Made for trade, storage
and production.
Get all parameters of your
sample quickly, precisely
and economically.**

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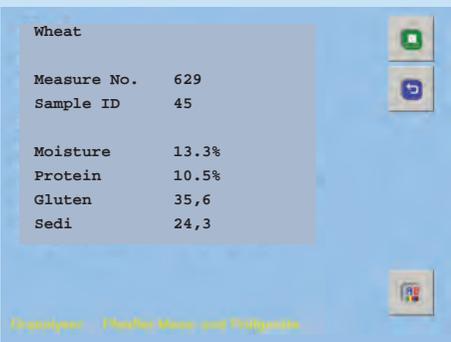
Select the grain type and push Start Button [>].



Enter the sample ID or just scan the barcode label of the sample bag.



Granolyser feeds the sample and takes 1500 single scans.



Granolyser calculates the results and displays and prints them.

■ Application

The Granolyser is a diode array based NIR analyser which is suitable for a wide variety of different grains and seeds, like cereals, oil seeds, legumes or corn. It has a wavelength range from 950 to 1550 nm with a high resolution and therefore provides the best basis for precise and expressive results of parameters like moisture, protein, oil, sedi, gluten.

■ Operation

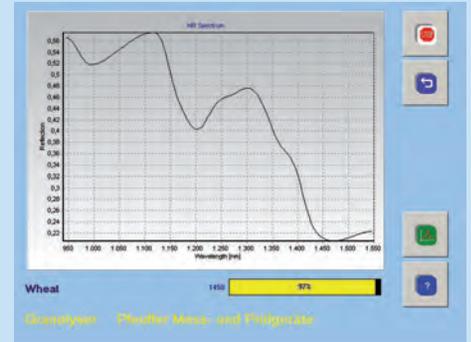
Fill in the sample, select grain type on the integrated touch screen display and push the start button. The Granolyser starts the transport of the 600 ml sample and measures 1.500 scans. The result of the integrated calibration models is displayed. The user can also print the results. Granolyser has an export file function so that generated files can easily be opened on your office computer (with software like MS Excel).

■ Calibration projects

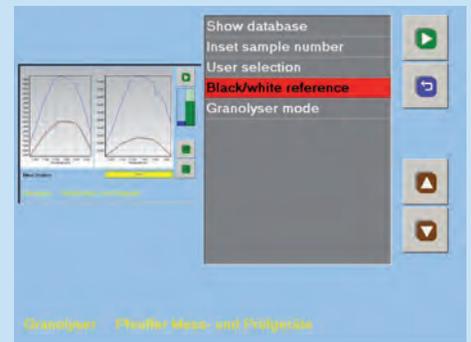
Simply store your own calibration scans on the integrated database and use it for designing your own calibration models. The Granolyser supports MLR as well as PLSR calibration models.

■ Connectivity

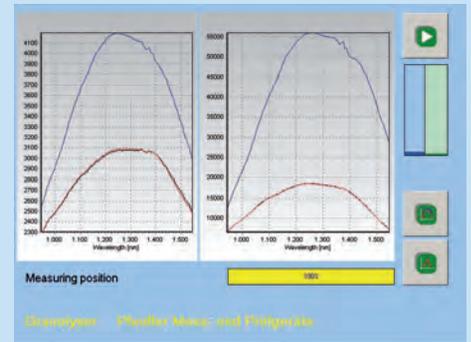
The Granolyser has an integrated network adapter and an USB interface for extensions like data transfer, bar code scanner, keyboard or memory sticks.



typical spectrum of a wheat sample



integrated black and white reference functions assure a constant and reliable work of the instrument.



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