## Perten Inframatic 9500 NIR Grain & Flour Analyser







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Charles Loubersac Dhotel Perten Instruments November 2013



### **Inframatic 9500 – Combined Grain & Flour Analyzer**



#### Grain

- Sorting grain according to quality
- Moisture, protein, wet gluten, Zeleny, optional hectolitre weight / test weight
- Payment analysis

#### Flour – with optional flour module

- Quality control during milling & finished flour specification
- Moisture, protein, ash, wet gluten,
   Zeleny, flour whiteness L\*



### **Grain Analysis**

### Designed for Users

#### Grain

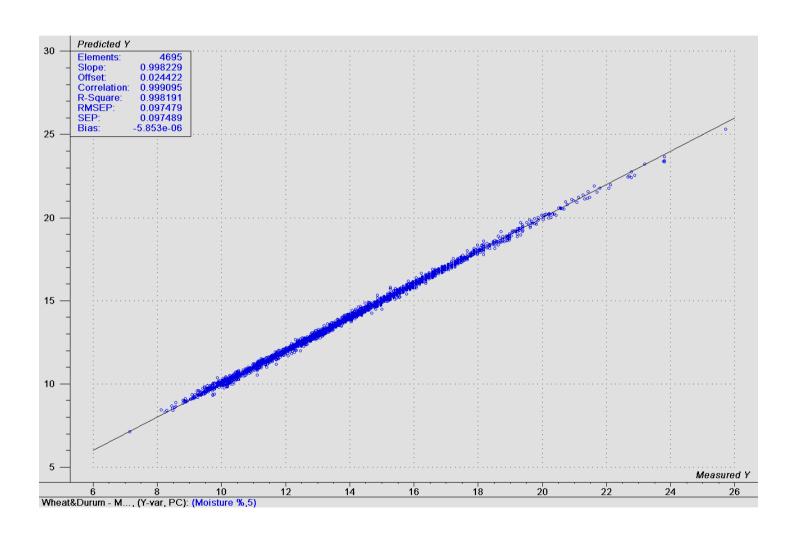
- Operate from 12" Large Colour Touch Screen
- Rapid & simple!
- User interface in many local languages





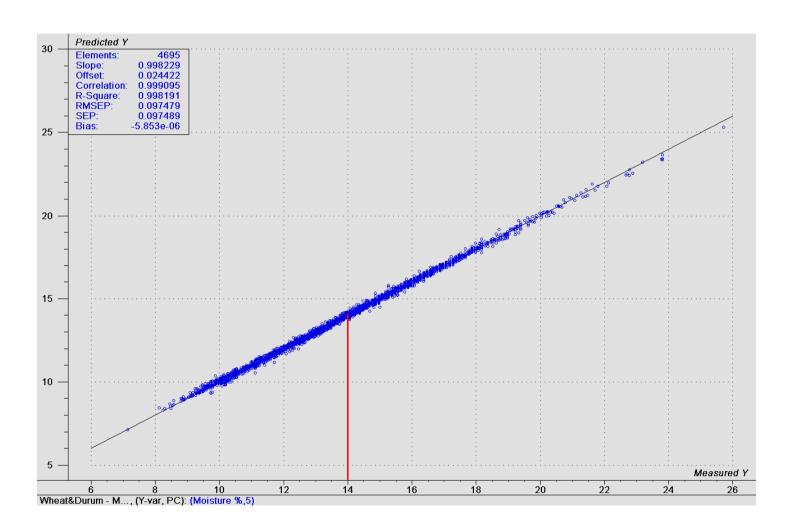


### Wheat – moisture (whole grain) performance



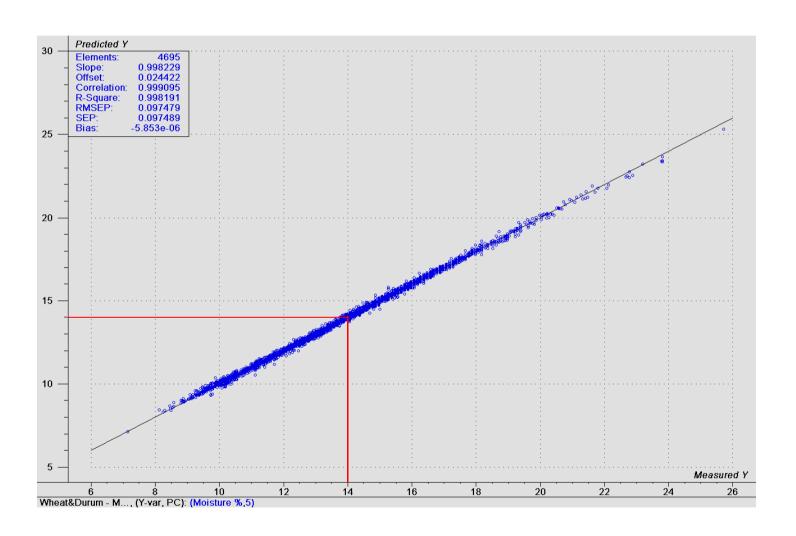


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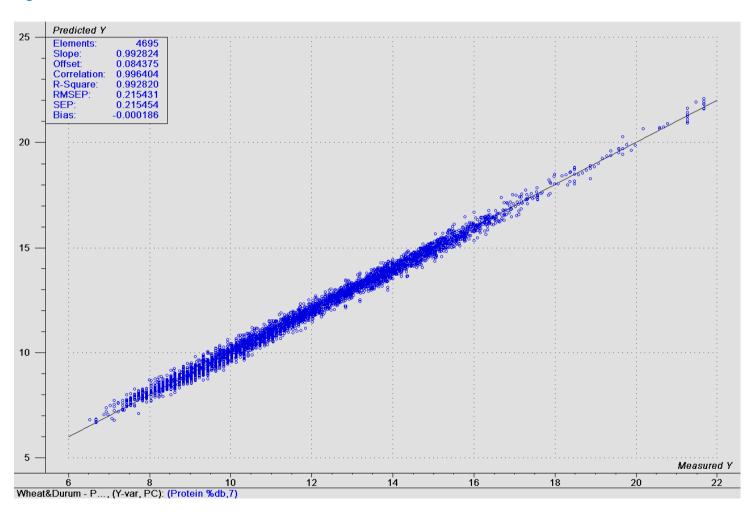


### Wheat – moisture (whole grain) performance



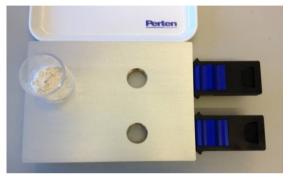


# Wheat – protein dry basis (whole grain) performance

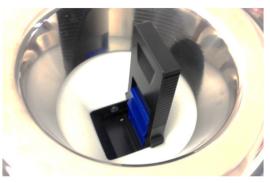




### **IM 9500 Flour Analysis Accessory**







1.

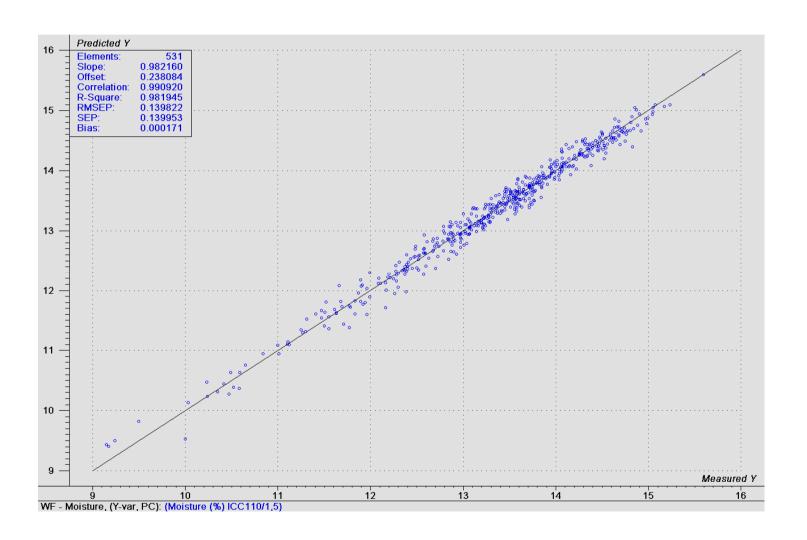
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- 2. 3.
- 1. Optional accessory kit for flour analysis
  - flour loader and flour modules
- 2. Simple to load flour modules
- 3. Just insert flour module in funnel
- 4. Read results in 10 seconds!

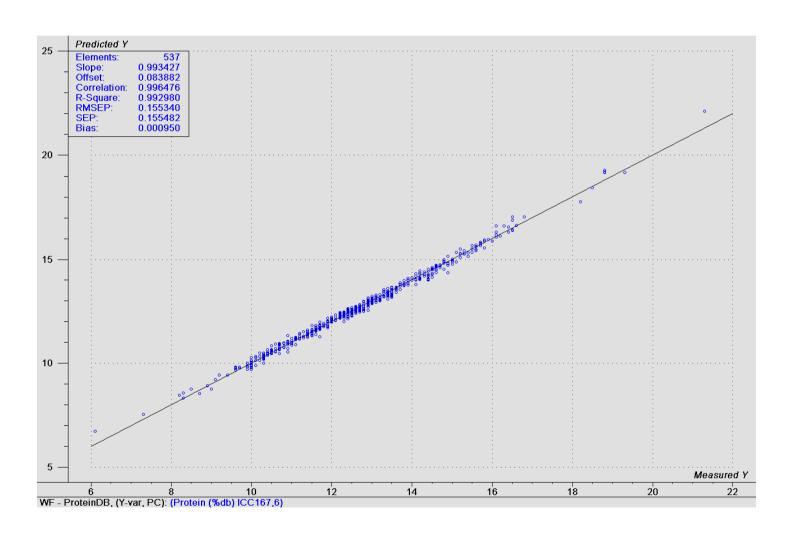


## Wheat – moisture (flour) performance





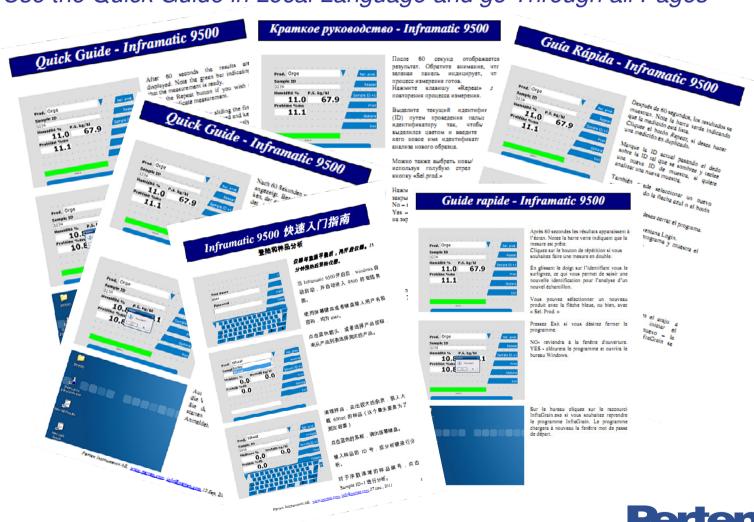
### Wheat – protein dry basis (flour) performance





## IM9500 Quick Guides for Operation & Maintenance

Use the Quick Guide in Local Language and go Through all Pages

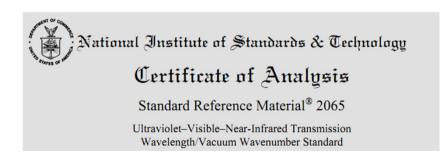


# IM 9500 Transferable Calibrations by Optical Design and NIST Traceability





- One solid block monochromator system
- Wavelength scale traceable to NIST SRM 2065





### **Standard Calibrations Included**

- Standard available calibrations included at time of purchase
- Wheat and Durum Grain
  - Global calibrations from large 5,000+ samples international data base with proven performance
  - Moisture, protein, optional hectolitre weight/test weight
  - Additional calibrations available
- White Flour and Whole meal
  - Moisture, protein, ash, flour whiteness L\*
  - Additional calibrations available





### **Calibrations Based on International Standard Methods**









- Grain calibrations based on 5,000+ samples have been deveoped in collaboration with major grain elevators and analytical laboratories or institutes
  - including wheat / durum wheat from Australia, China, Denmark, Finland, France, Germany, Italy, Sweden, Turkey, the UK and the USA.
- Flour calibrations are based on flours from 12 countries and approximately 40 different flour mills
  - Argentina, Australia, Austria, China, France, Germany, Japan, Poland, Spain, Sweden, Switzerland and the USA.
- Calibrations have been successfully tested in several additional countries.



## Reference Pellet Check Sample for Quality Assurance



- Use your own daily check samples or:
   Use the Reference Pellet Check Sample
- Verifies the IM9500 matches factory standards - Quality Assurance for ISO or other QA systems.



 Suitable for use up to one year from purchase



### **NIR Networking**

- The IM9500 can be connected to the internet using cable Ethernet or (optional) wireless access
- More than 800 IM9500 units already
- Using TeamViewer and a remote connection allows for rapid and costeffective service and support
  - Diagnose and solve problems by remotely running test programs & checking system files and settings
  - Simple software and calibration updates
  - Download & upload data to help set bias if needed





### Who is Perten

#### Our mission is to:

Supply solutions that facilitate industry to produce high quality agri/food products efficiently

### This leads to:

Improving production efficiency, product quality and profitability in the grain, flour, food and feed industries





## **Perten Instruments Product Range**





### **Perten Support**

If something goes wrong what do I do?





We have a world wide net of distributors trained on our products. They assist for local service, repairs and support.

In special cases we support from the main office through the networknig function.

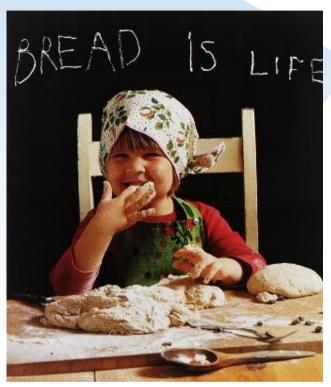


## **Perten Map**





## THANK YOU FOR YOUR ATTENTION Welcome to table D4C4 to learn more



**Your partner in Agri Food Quality Control** 

