

Perten Inframatic 9500 NIR Grain & Flour Analyser



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Gunnar Nilsson
Perten Instruments AB
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Perten
INSTRUMENTS

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



1. Select

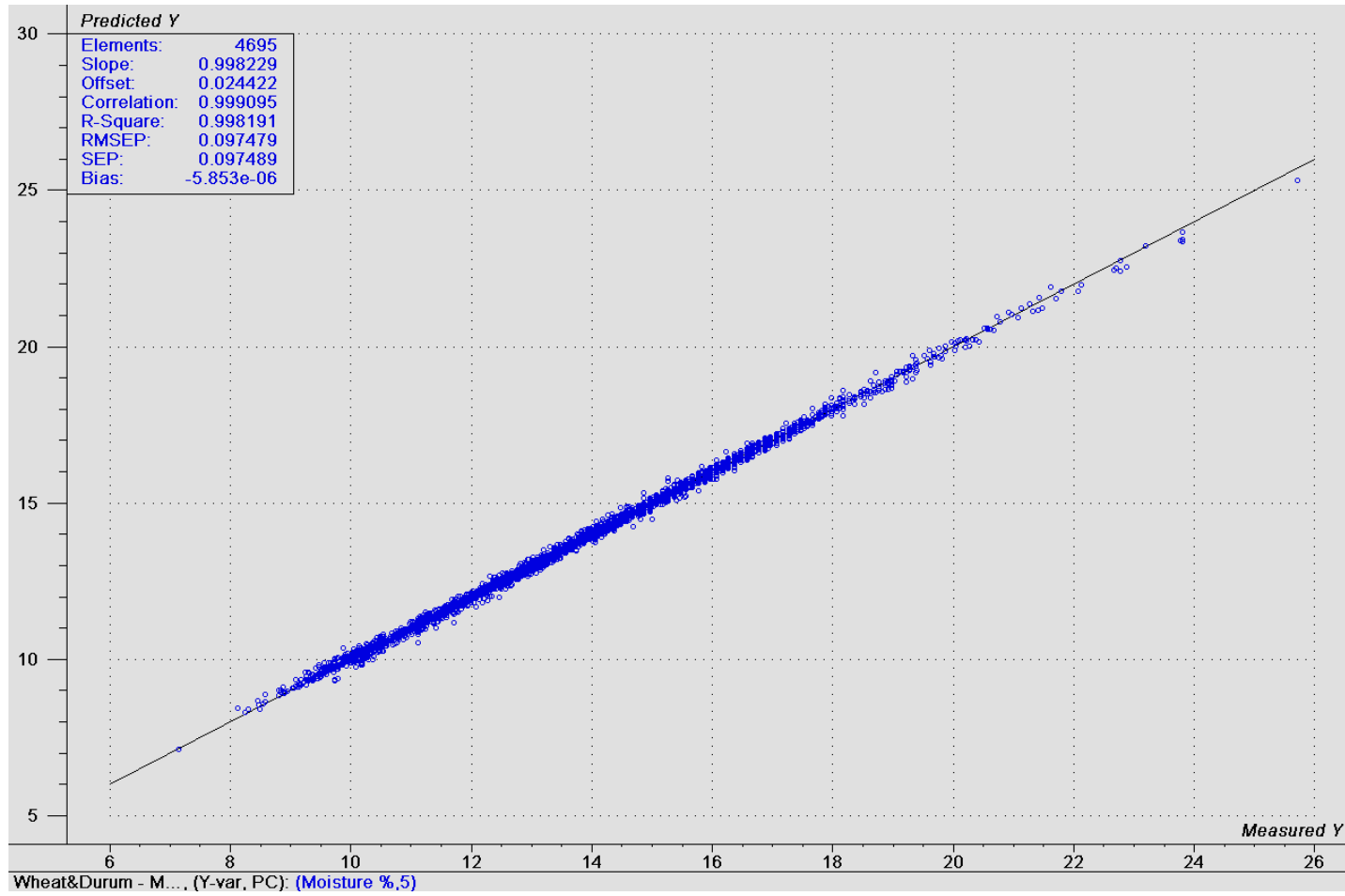


2. Pour

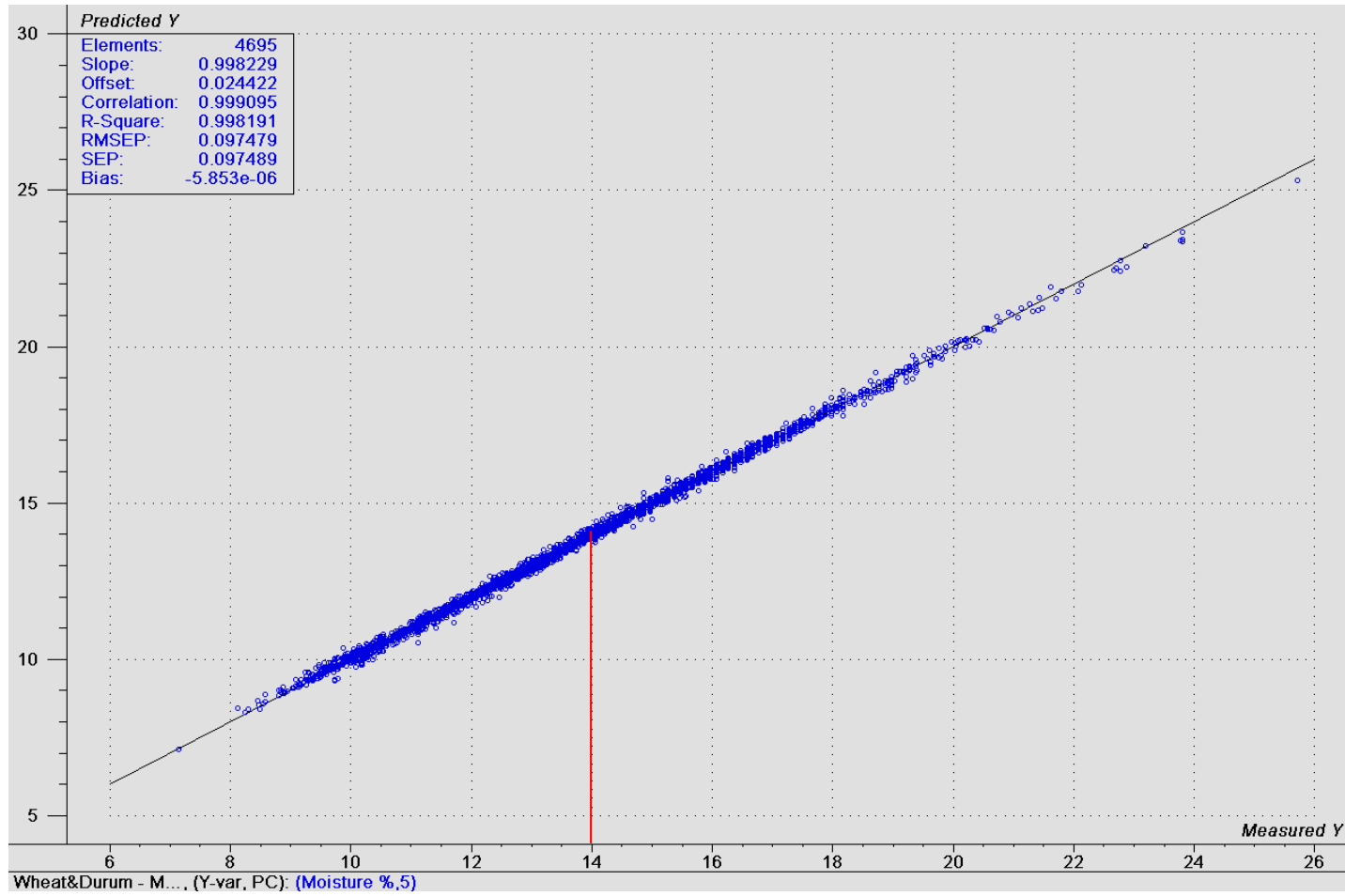


3. Remove

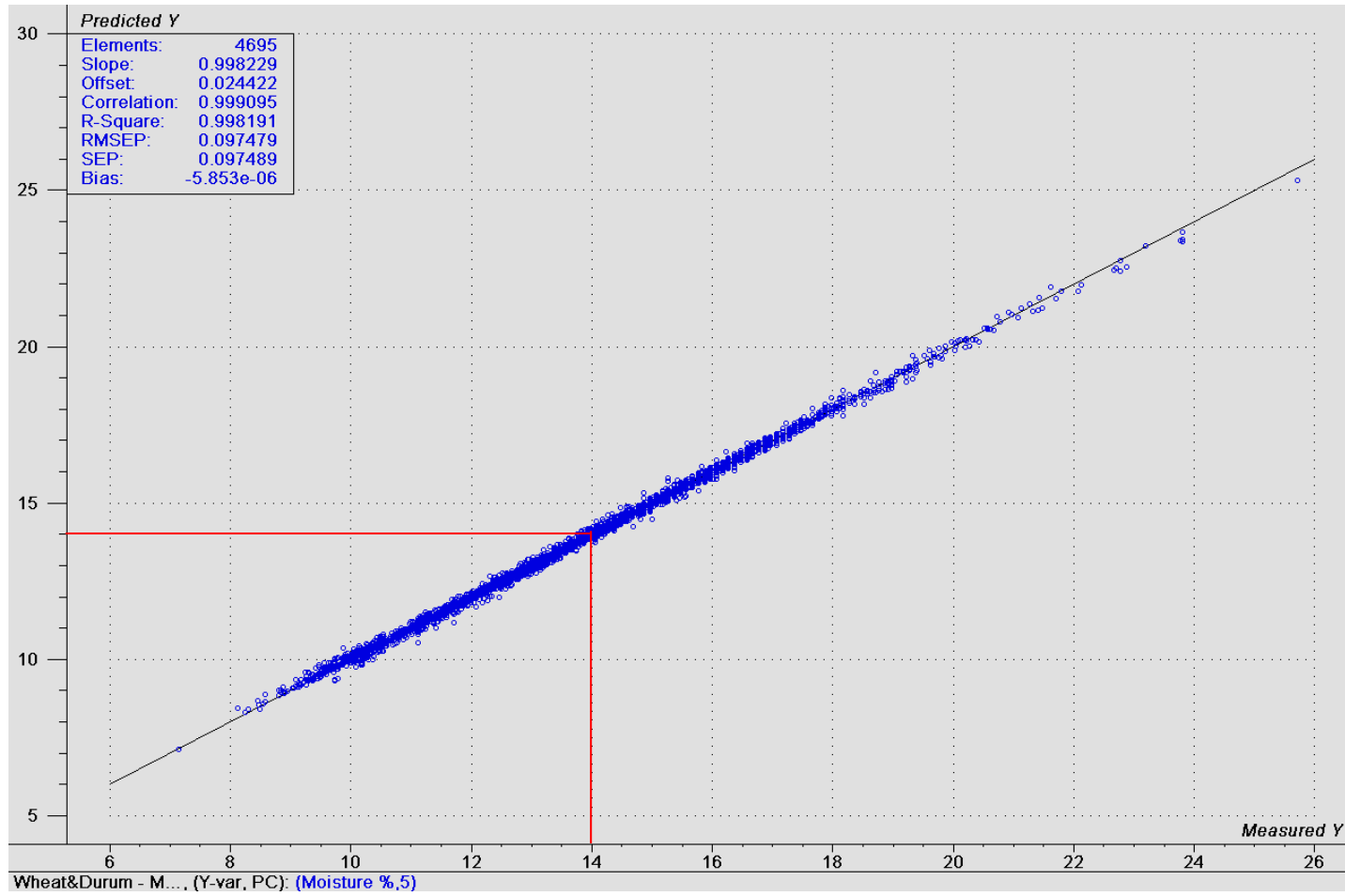
Wheat - moisture (whole grain) performance



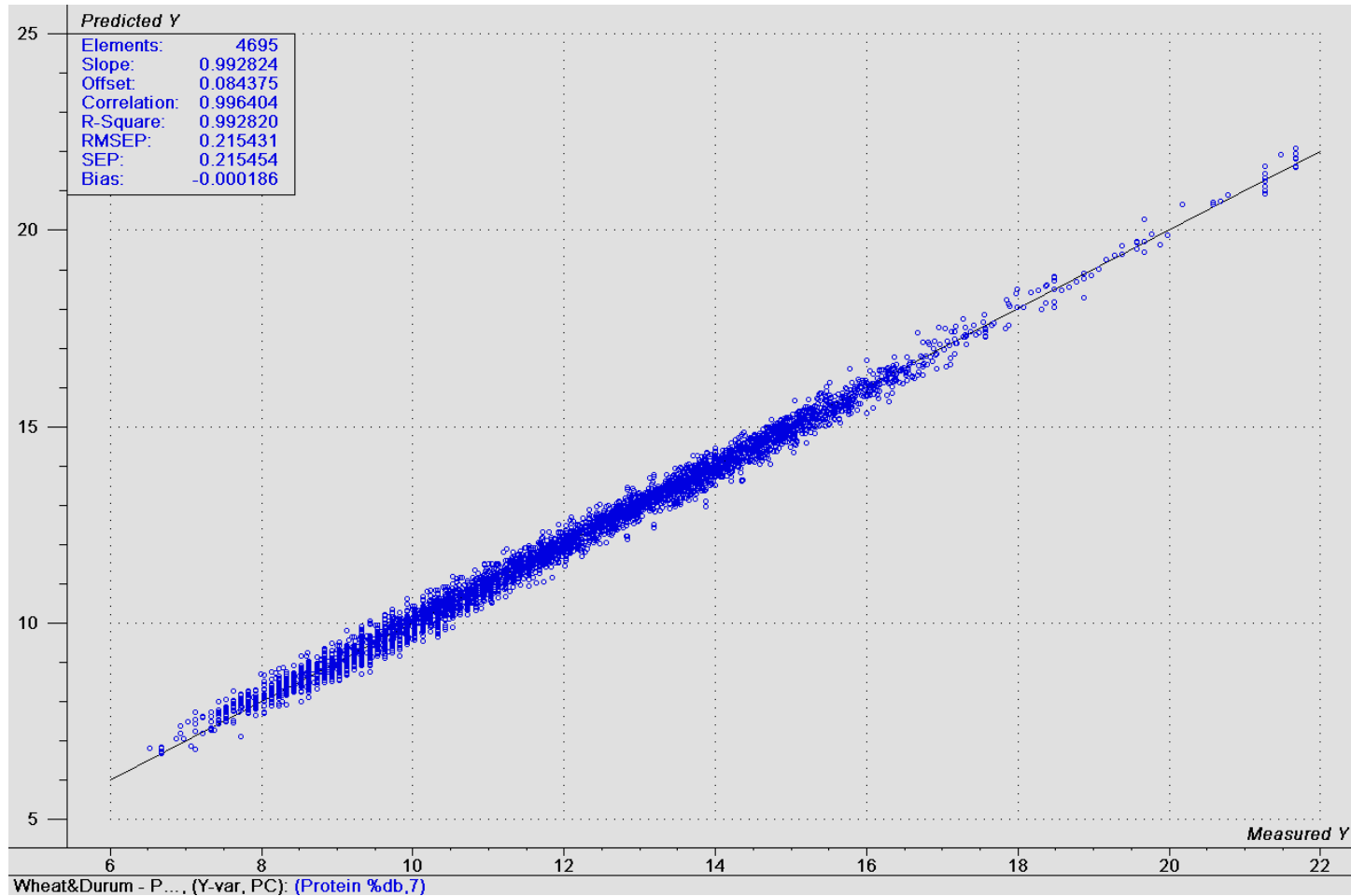
Wheat - moisture (whole grain) performance



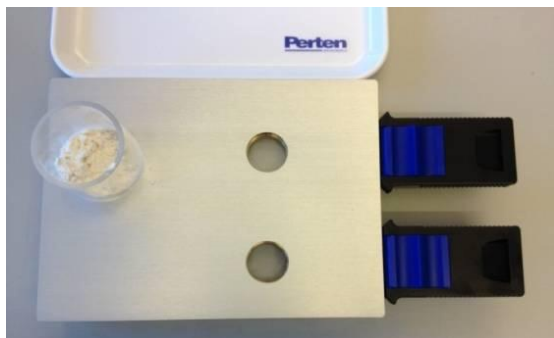
Wheat - moisture (whole grain) performance



Wheat – protein dry basis (whole grain) performance



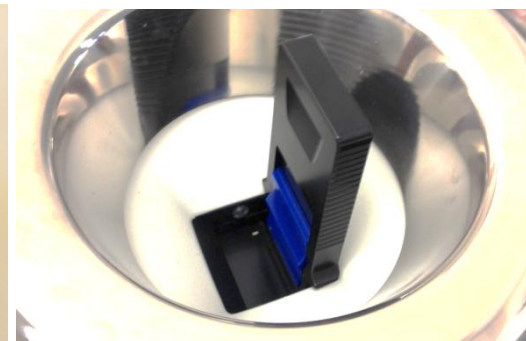
IM 9500 Flour Analysis Accessory



1.



2.



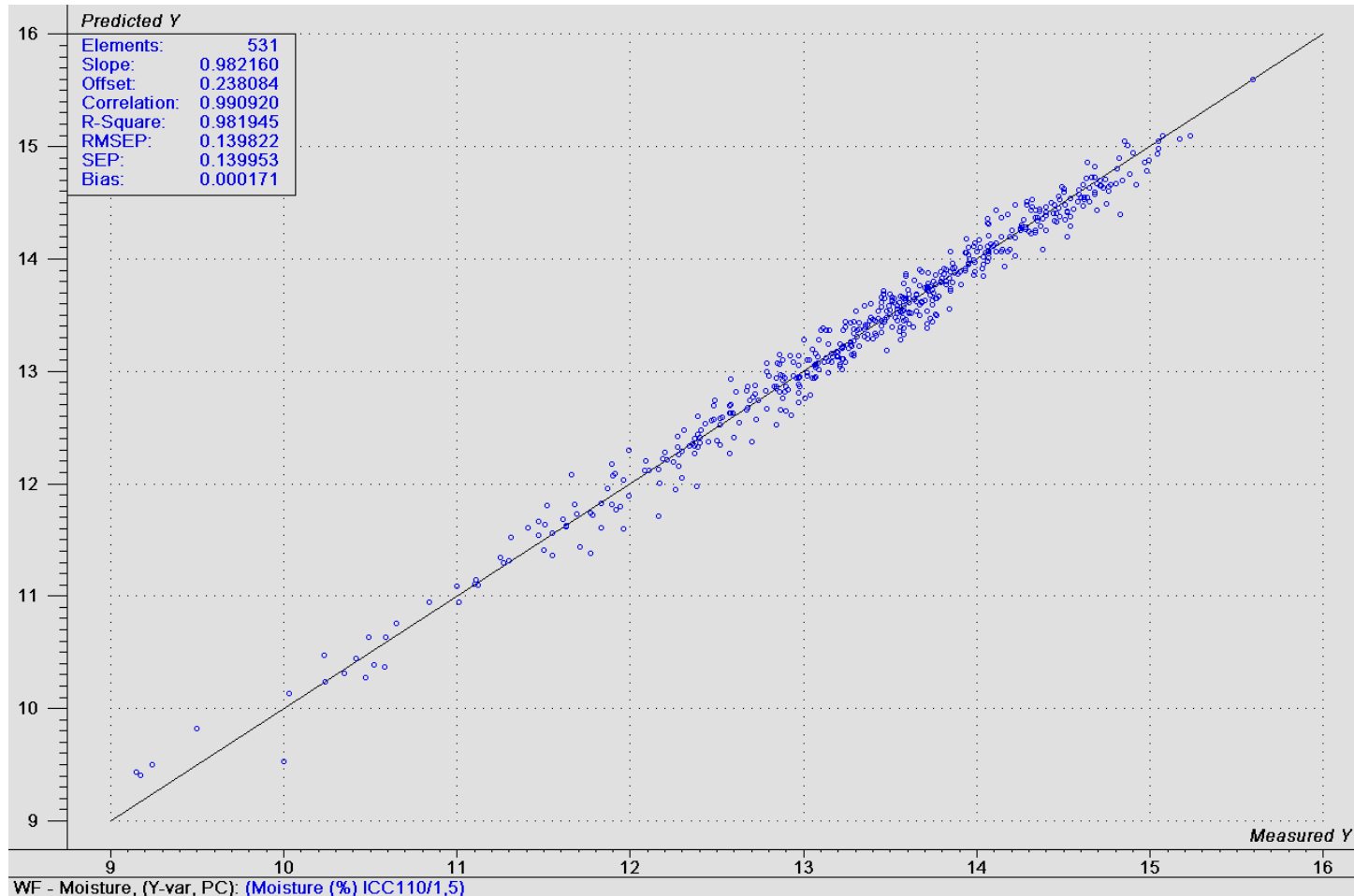
3.

4.

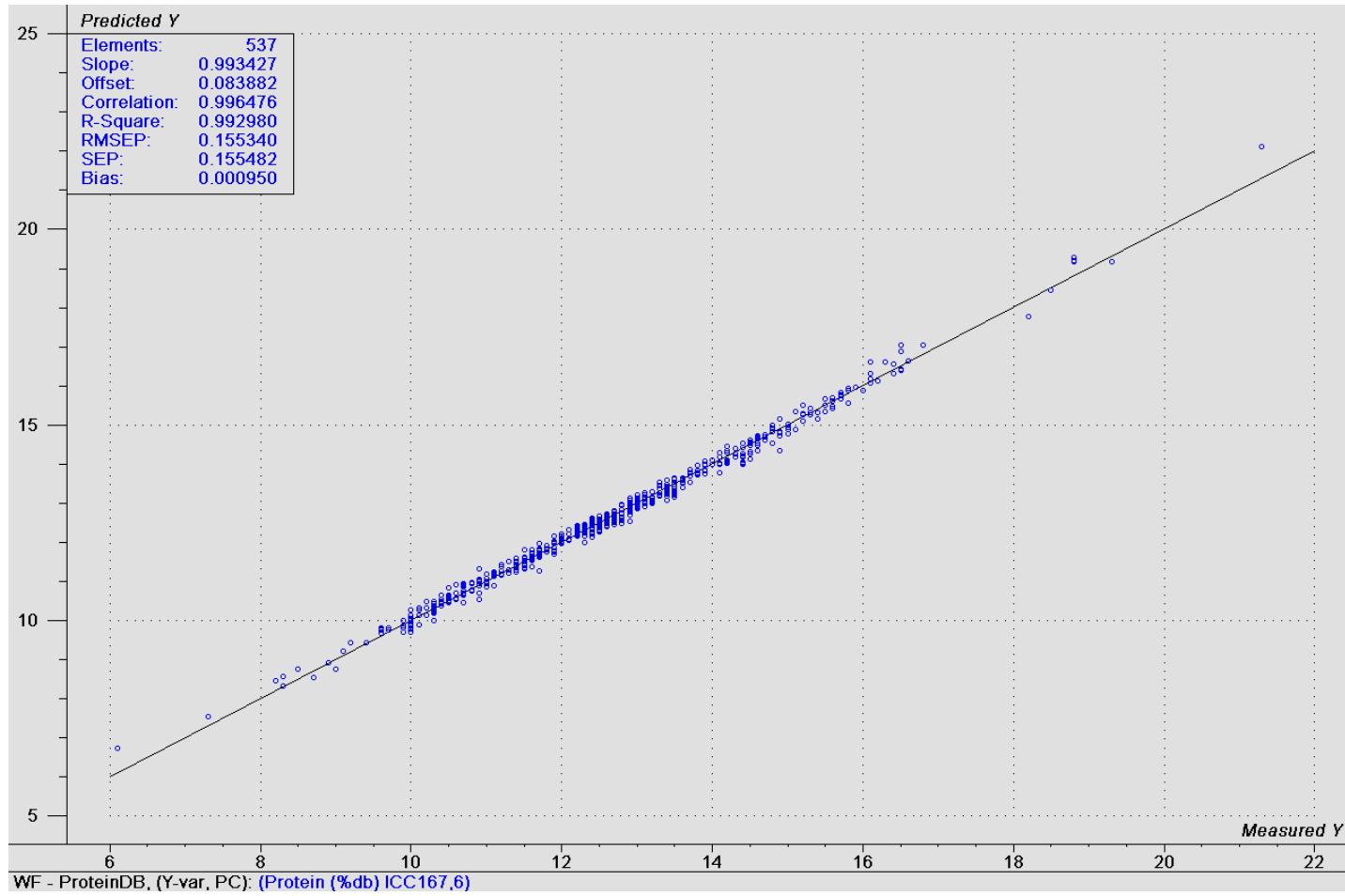


1. Optional accessory kit for flour analysis – flour loader and flour modules
2. Simple to load flour modules
3. Just insert flour module in funnel
4. Read results in **10 seconds!**

Wheat - moisture (flour) performance



Wheat – protein dry basis (flour) performance



IM 9500 Transferable Calibrations by Optical Design and NIST Traceability



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



National Institute of Standards & Technology

Certificate of Analysis

Standard Reference Material® 2065

Ultraviolet-Visible-Near-Infrared Transmission
Wavelength/Vacuum Wavenumber Standard

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 developed 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
- Using TeamViewer and a remote connection allows for rapid and cost-effective 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

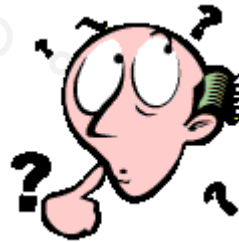


Perten Instruments Product Range



Perten Support

If something goes wrong what do I do?



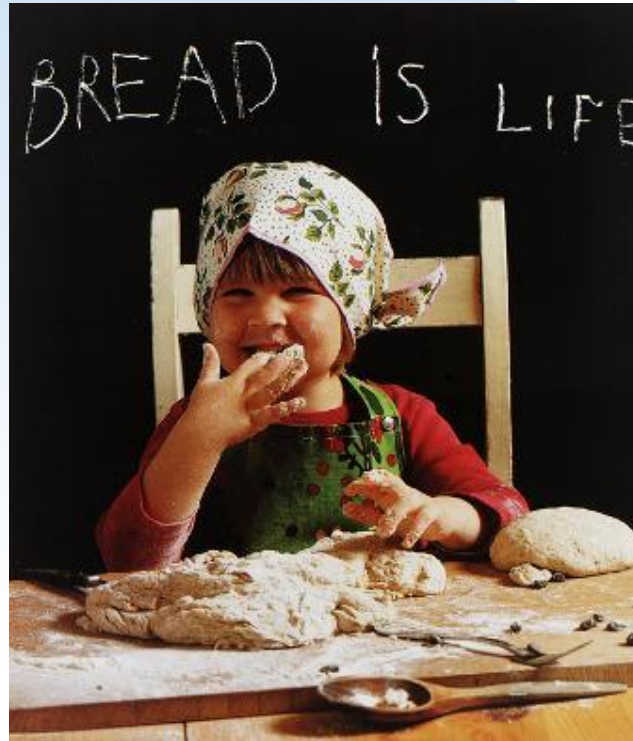
We have a world wide net of distributors trained on our products. They assist for local service, repairs and support.

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

Perten Map



THANK YOU FOR YOUR ATTENTION
Welcome to table 15 to learn more



Your partner in Agri Food Quality Control