

## ■ VERIFY IN SECONDS YOUR INCOMING MATERIAL ■



### ■ Description:

The VISUM PALM handheld is a portable NIR analyser. Small and handy for fast quality control in the warehouse and in the field. The VISUM PALM measures chemical composition of food and beverage products: for incoming material, semi-finished products and final products.

### ■ Main characteristics:

- For identification of raw materials and quantification of quality parameters
- Easy integration of additional measurement parameters
- Quality control, even through plastic bags
- Portable device to be used in the warehouse or exterior
- Very easy to use with intuitive user interface and touch screen
- Robust, reliable and designed for industrial environments



## Technical specifications:

Sensor	InGaAs
Spectral range	900 – 1700 nm
Measurement time	< 2 s
Resolution	3 – 12 nm
Dimensions	Device 330 x 270 x 110 mm Dock Station 110 x 320 x 130 mm
Autonomy	>5 hours (depending on the frequency of use)
Battery recharge system	Internal recharge
Power supply	230 V (dock station)
Screen	Touch screen 480 x 272 px / LCD 4.3 ”
Lighting system	Halogen lamp of 12 V, parabolic reflector and Lambertian diffusor
Data output	Ethernet connection
User interface	Intuitive user interface for results visualization
Core	A7 Dual-Core ARM® CORTEX™ @ 2GB DDR3 / 8GB NAND
Data storage	Micro SD C and 86 B Nano Flash
Reference	The dock station includes a white standard for reference
System requirements for data exportation	PC with Ethernet connection and Operating System: For Win 7: Explorer; For Linux: Samba, Win SCP and Putty
Compliance	FDA, GMP, CE

## Applications:

### FOOD

- Quality parameters of food, drinks and feed
- Quality of incoming raw material
- Food adulteration detection
- Quality parameters of finished products



Meat & Poultry



Flour & Milling



Edible Oils



Dairy



Chocolate & Cocoa



Wine

### PHARMA

- Identification and quality control of raw materials
- Detection of adulterations



Pills



Tablets



Parenterals



Powders

### CHEMICAL

- Identification and quality control of incoming materials
- Material characterization



Ceramic



Tire



Mining



Cristal



Chemical



Plastic



## Other Visum solutions:



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