HANDHELD **NIR** ANALYSER

ACCESSORIES

DESCRIPTION:

Portable NIR analyser for real-time chemical composition determination.

Handy but robust and designed for industrial environments, VISUM Palm also eliminates probes from the process stream for background collection or qualification.

MAIN CHARACTERISTICS:

→ Analysis of incoming raw material for degradation, adulteration and measure key quality parameters of your ingredients.

→ At-line use to control key parameters for product standardisation.

→ Comfortable use of a multiparameter, portable and flexible monitoring device for product analysis at different critical points along the production line.

FOOD

→ Fat, moisture and protein content in minced meat

→ Moisture and protein content in powders such us flour or cocoa.

→ Particle size determination

→ Total acidity and polar compounds concentration in frying oil

→ Routine quality control of edible oils by-products: water-in-oil, water-in-marc, oil-in-marc.

PHARMA

→ Identification of APIs and excipients

→ Particle size determination

→ Pellet coating end-point determination

→ Drying and blending end-point determination

→ Content uniformity control in solid and liquid forms

OTHER INDUSTRIES

→ Polymers identification

→ SWIR-dye-inked black polymers classification

→ Ethanol & sugar concentration monitoring during the fermentation process

TECHNICAL SPECIFICATIONS

SENSOR	InGaAs photodiode array
SPECTRAL RANGE	900 – 1700 nm
TYPICAL SINGLE SPECTRUM ACQUISITION TIME	10 ms
SPECTRAL RESOLUTION	3 nm
ACQUISITION GEOMETRY	Diffuse reflectance, interactance and trasflectance (with a dedicated holder)
WEIGHT	1.9 kg
INGRESS PROTECTION	IP63
POWER SUPPLY FOR CHARGING THE BATTERY IN THE DOCK STATION	230 VAC (1-phase). Consumption < 100 W
LIGHT SOURCE LIFETIME	1 year (standard use)
BUILT-IN COMPUTER	A7 Dual-Core ARM®
BASIC CONNECTIVITY	Ethernet (TCP/IP)
USER INTERFACE	Built-in 5.3-inch resistive touchscreen and manually operated trigger for acquiring the spectra

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