

# IAS-6100

## Portable NIR Analyzer

All-in-one

Precision Palm Oil Analysis in **2 minutes**



### Models



Crude Palm Oil (CPO)



Kernel



Pressed Fiber



Sludge



EFB



FFB



SpinCo



Decanter Solid

### Parameters



Free Fatty Acid (FFA)

DOBI

Moisture

Oil



### Featured Solutions

- Free portable rechargeable battery
- Free network card
- Free 3-in-1 touchpad / Built-in USB thumb drive / Pen
- Optional portable printer
- Touchscreen feature
- No annual subscription fee
- ROI in a few months
- Auto self-check and self-wavelength calibration

## Applicable Scenarios



**Palm Fruit Harvesting Stage**



**Oil Refining Stage**



**Storage and Transportation Stage**



**Laboratory Quality Inspection Stage**

## Model Indicator Details (Partial)

Crude Palm Oil (CPO)				
Parameters	Sample Size	Range	R <sup>2</sup>	SECV
FFA	200	2.6% - 4.3%	0.87	0.13
Moisture	200	0.1% - 0.67%	0.81	0.032
DOBI	200	1.1 - 2.6	0.72	0.098

EFB				
Parameters	Sample Size	Range	R <sup>2</sup>	SECV
Moisture	200	36% - 7.4%	0.94	2
Oil	200	0% - 6.4%	0.94	0.4







Pressed Fiber				
Parameters	Sample Size	Range	R <sup>2</sup>	SECV
Moisture	200	32% - 50%	0.75	1.6
Oil	200	2.7% - 5.5%	0.66	0.32

Sludge				
Parameters	Sample Size	Range	R <sup>2</sup>	SECV
Moisture	200	93% - 97.5%	0.93	0.2
Oil	200	0.1% - 1.7%	0.86	0.145

Kernel				
Parameters	Sample Size	Range	R <sup>2</sup>	SECV
Moisture	201	1.9% - 19.9%	0.975	0.58

SpinCo				
Parameters	Sample Size	Range	R <sup>2</sup>	SECV
Moisture	200	0% - 44%	0.9	2.74

## Sampling Accessories

Accessory	Usage Illustration	Application Scope
 <b>Small Sample Cell</b>		Suitable for small sample volume scenarios and liquid collection.
 <b>Medium Sample Cell</b>		Suitable for small granular or powdered samples.
 <b>Large Sample Cell</b>		Suitable for powdered or granular samples, and can also be used for grass.

## Product Technical Parameters

Parameters	Specification
Wavelength range (NIR)	950 - 1650nm
Light source type	Halogen-Tungsten lamp
Operational/Storage temperature	5-45°C/-20-60°C

Parameters	Specification
Dimensions	L: 265mm/W: 340.5mm/H: 262.3mm
Weight	9Kg
Display	7-inch Touch Screen