



IAS-6100

Portable NIR Analyzer

All-in-one
Precision Palm Oil Analysis in **2 minutes**

Models



Parameters



Product Highlights

- 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


IAS Global Pte. Ltd.

www.ias-glb.com

 jingjieng@ias-glb.com
service@ias-glb.com

 +65 8827 4437 (SG)
+62 821 1259 5758 (ID)
+6012-214 0199 (MY)

 9 North Buona Vista Drive,
The Metropolis Tower One,
Level 2 and 3, Singapore 138588

Applicable Scenarios

Palm fruit
harvesting stage



Oil refining
stage



Storage and
transportation stage



Laboratory quality
inspection stage



Model Indicator Details (Partial)

Crude Palm Oil

Parameters	Sample Size	Range	R ²	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

Pressed Fiber

Parameters	Sample Size	Range	R ²	SECV
Moisture	200	32%-50%	0.75	1.6
Oil	200	2.7%-5.5%	0.66	0.32

Kernel

Parameters	Sample Size	Range	R ²	SECV
Moisture	201	1.9%-19.9%	0.975	0.58

EFB

Parameters	Sample Size	Range	R ²	SECV
Moisture	200	36%-74%	0.94	2
Oil	200	0%-6.4%	0.94	0.4

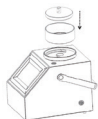
Sludge

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

SpinCo

Parameters	Sample Size	Range	R ²	SECV
Moisture	200	0%-44%	0.9	2.74

Sampling Accessories

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

Product Technical Parameters

Parameters	Specification	Parameters	Specification
Wavelength range (NIR)	950-1650nm	Dimensions	L: 265mm/W: 340.5mm/H: 262.3mm
Light source type	Halogen-Tungsten lamp	Weight	9Kg
Operational /Storage temperature	5-45°C/-20-60°C	Display	7-inch Touch Screen