QuikCheck

RUGGED, SIMPLE, RAPID NIR ANALYZER

KPM

Easy-to-use Analyzers for Rapid Lab and At-line Analysis of Moisture and Oil

OVERVIEW

The QuikCheck Analyzer is a rugged and reliable near infrared (NIR) analyzer that rapidly measures moisture and/or oil (fat) of food products. With accurate results in under 10 seconds, the QuikCheck provides rapid feedback for process control or product quality applications, improving product consistency and reducing waste.

EASY TO USE

Many products require little or no sample preparation. Simply place the sample in the dish and precise results for moisture and oil are displayed in seconds. The rotating dish averages hundreds of readings for reliable results from non-homogeneous sample types.

APPLICATIONS

General Food

- Cereal
- Coffee
- Corn meal
- Dairy powders
- Dehydrated potato
- Fruit/vegetable powders
- Seasonings
- Starches

Snack Food

- Biscuits
- Cookies
- Crackers
- Popcorn
- Potato chips
- Pretzels
- Tortilla chips

Industrial

- Biofuels
- Ceramics
- Crumb rubber
- Detergents
- Fertilizers
- Minerals
- Wood products
- Ores
- Plastic pellets
- Soaps
- Tobacco

Animal Food Products

- Beet pulp
- DDGS
- Fish feed
- Hard pet food
- Meat and bone meals

QUIKCHECK FEATURES

- Obtain vital quality parameter data in seconds with little-to-no sample preparation
- Easy setup, calibration, and operation; can be delivered pre-calibrated and lab-ready
- Rugged, easy-to-clean, polycarbonate construction
- Non-destructive testing requires no hazardous chemicals
- Unaffected by relative humidity, changes in environmental or product temperature, and ambient light
- Fully modular with all components easily replaceable in the field

EASY TO CALIBRATE

The QuikCheck Analyzer is easy to calibrate and includes a simple and intuitive touchscreen interface to toggle between sample types. Units can be pre-calibrated and delivered lab-ready for many product types.

All data can be collected into a USB storage device or datalogger (via the Windows®-based ViewerSuite software add-on) for export to CSV and other useful file formats.

QuikCheck

- Rotating sample analysis
- Ideal for non-homogenous solids or powders
- Snack foods, cereals, tobacco, chemicals

ORDERING INFORMATION

Part Number	Description
466-600	QuikCheck unit assembly for rotating sample analysis. Rugged polycarbonate housing. 152 mm (6 in) sample bowl included. Requires 200-076A-8 Custom Filter Wheel - to be specified at the time of ordering.

ACCESSORIES

Part Number	Description
200-076A-8	Custom Filter Wheel – product type and constituent range to be specified at the time of ordering
230-000A-S	Cal check standard (moisture only)
240-000-4	ViewerSuite software
600-121A	Sample Bowl – 152 mm (6 in)
600-122A	Sample Bowl – 203 mm (8 in)

SPECIFICATIONS

Measurement Constituents	**Up to 2 components simultaneously**
Moisture Range	Min. 0.1%, Max. 95%
Oil (Fat) Range	Min. 0.1%, Max 50%
Accuracy: (Subject to application and product type)	
Moisture	+/- 0.1%
Oils	+/- 0.2%
Calibration Codes	100
Physical & Operational Specifications	
Dimensions W x D x H	400 mm x 230 mm x 470 mm (16 in x 9 in x 19 in)
Weight	9.9 kg (22 lbs)
Input Power	Voltage: 90-260VAC - 50/60 Hz — Power: 40 Watts
Operating Temperature	0-40°C (32-105°F)
Test Time	5-10 seconds (user-definable)
Display	145 mm (5.7 in) high-resolution touch screen

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