

Kett

SCIENCE OF SENSING

KB-30

NIR Moisture Analyzer



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KB-30

Non-Destructive! Non-Contact! Instant!

IDEAL UNIT FOR PROCESS CONTROL OF MOISTURE

In-line measurement by the KB-30 eliminates the cost of batch measurement. Moreover, continuous information output instantaneously from KB-30 is available to alarm devices, a recorder or a process control monitor. Instantaneous output enables your quick response.

Imagine the effect when used on your production line.

TEMPERATURE COMPENSATED

Each KB-30 is automatically temperature compensated. Measurements retain a high accuracy by minimizing the influence of ambient temperature changes.

STRONG IN MEASUREMENT DISTANCE VARIATION

When measuring using near-infrared reflectance it is preferable that the target distance remain stable. The KB-30 can provide accurate measurement even if there are height changes.



WIDE APPLICATION

The KB-30 can measure any type of samples; powdery, flaky, bulky, sheet type and etc...on your production line.



Cereal / Flakes / Chips



Salt / Sugar / Flour



Grains



Paper / Nonwoven fabric



Sand / Cement



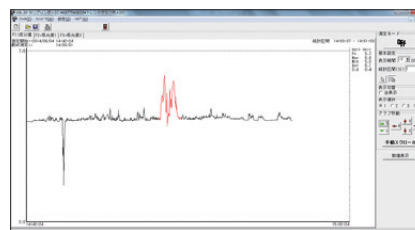
Woodchips / Plywood

Specification

| | |
|------------------------------|--|
| Measurement method | NIR reflectance / Absorbance |
| Measurement distance | 260mm ± 30mm |
| Measurement diameter | 25mm in diameter at 260mm distance |
| Refresh rate | 0.5 sec |
| Number of calibration curves | 50 |
| Display | Red color 7 segment LED |
| Light source | Tungsten lamp |
| Max. number of sensor heads | 30 |
| Ambient temperature | 5 - 35°C |
| Ambient humidity | 30 - 80% RH (without condensation) |
| Analog current output | 4 - 20mA DC |
| External communications | RS232C / RS485 |
| Protection | IP66 |
| Regulatory certification | CE |
| Power source / consumption | AC 100 - 240V (50 / 60Hz) / 50W |
| Dimensions | 268(W) × 306(H) × 140(D) mm |
| NET Weight | 7.0 kg (including the hood and cables) |
| Options | All stainless steel body, Special spec for high moisture object, Cooling box |

DEDICATED PC SOFTWARE : STANDARD ACCESSORY

Monitoring the measurement value and creating the calibration curve can be carried out easily by using the PC software.



SAFETY & HYGIENIC

The KB-30 can be washed since it is both waterproof and dust proof (IP66). This is useful for sanitary management in food factories. Moreover, contamination risk is eliminated since there is no paint coating to peel from the body.



Protection Test

Kett

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Management System Enhancement Department of the Japanese Standards Association (JSA) registers the Quality Management System of the above organization, which conform to JIS Q 9001, ISO 9001.

The Scope of the Registration.

Design, development and production management of Moisture Testers, NIR Composition Analyzers, Grain Inspectors and Coating Thickness Testers. Calibration and repair of Moisture Testers, NIR Composition Analyzers, Grain Inspectors and Coating Thickness Testers.

Requests