

Kett

SCIENCE OF SENSING

KB-30

NIR Moisture Analyzer



NIR Moisture Analyzer KB-30

Non-Destructive! Non-Contact! Instant!

IDEAL UNIT FOR PROCESS CONTROL OF MOISTURE

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

Imagine the effect when used for your production line.

TEMPERATURE COMPENSATED

Each of KB-30 is temperature compensated highly.

Can be measured with high accuracy in minimizing the influence of ambient temperature.

STRONG IN MEASUREMENT DISTANCE VARIATION

In the measurement using the reflecting in near-infrared, although it is generally desirable that the distance to the target from the light source is not fluctuate, there are many production line that are flowing the undulating object in actual.

The KB-30 can be measured stably even if there is to some extent undulating at on the object.



WIDE APPLICATION

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



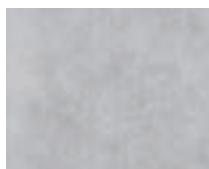
Cereal / Flakes / Chips



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 head	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 having ability of water-proof and dustproof at IP66. It is useful to hygiene management in food factories. Moreover, it is never contamination the product by peeled off the paint because there is no coating on the body.



Protection Test



KETT ELECTRIC LABORATORY

1-8-1 Minami-Magome Ota-Ku, Tokyo 143-8507 Japan
Tel. +81-3-3776-1121 Fax. +81-3-3772-3001
URL <http://www.kett.co.jp/> E-mail overseas@kett.co.jp

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