Testermeter- SKZ111J Infrared Online Moisture sensor moisture Analyzer for Bran flour protein powder milk powder corn

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SKZ111J Infrared Online Moisture sensor moisture Analyzer for Bran flour protein powder milk powder corn starch yeast

Main Feature :	Serial No. : Zoe225

Specification

Testermeter-4-20mA SKZ111J Infrared Online Moisture sensor moisture Analyzer for Bran flour protein powder milk powder corn starch yeast

Infrared online moisture analyzer, non-contact, continuous, real-time, on-line measuring moisture. The distance is 20cm-40cm, high accuracy, wide range, and provides 4-20mA current signal, automated control

Principle: It is the use of water molecules on the infrared spectral absorption characteristics, to measure the moisture content of the measured object.

Advantages:

Measuring range: 0-99% (can OEM)

The probe is imported from the United States

Standard 4-20mA output

The probe is not affected by the change of external light without a light shield

It has automatic temperature compensation and is not affected by external temperature changes

Features:

1. Fast measurements:
With long-life high-speed brushless motor, imported high response infrared sensors, information processing chip FPGA + DSP + ARM9 combination, to ensure the real-time data acquisition, improve measurement precision and stability.

2. Reliability:
With dual optical detectors, the optical system for monitoring and compensation, moisture measurement from the sensor to ensure effects of aging.

3. Non-contact and fast response
Online fast continuous measurement and non-contact measurement, the measured object can fluctuate between 20-40cm, online dynamic real-time detection, to achieve a real-time control of product moisture content.

4. Stable performance, high precision
5-beam infrared moisture analyzer, its stability compared four beam and six beam greatly improved, in order to ensure the
measurement more accurate and more stable.

5. Easy to install, easy to operate
Instrument easy installation, using a predetermined calibration, only need fix the intercept (zero) to complete the demarcation.Using single-chip digital operation, easy to operate

Specification

Measuring range	0-99% (can OEM)
Measurement resolution	0.01%
Measuring accuracy	0.1%FS-0.5%FS
Repeatability	0.1%
Static accuracy	0. 1%
Light Diameter	40mm
Light beam	5
Infrared wavelength	1940nm
Infrared bandwidth	±50nm
Filtering range	0-2.5%
Measuring channel	10
Current signal	4-20mA
Upper and lower control	Self-edit by end user
Measuring time	0-60s
Sampling frequency	125 ms / time
Measuring distance	250mm±100mm
Measuring thickness	0.1-0.3mm
Display	LED 7 digits display
Cable length between probe and display	5m

I/O interface of probe	7 pin aviation socket, 10 core aviation socket
I/O interface of display device	3-core cable, 25 holes D-type socket, 4-core cable, 3-core cable(with 7-core aerial socket)
Power	220V/50HZ, 100W
Operation humidity	≤90%
Operation temperature	0-50℃
Light interference	Not affected by external ambient light changes, no hood required for the probe
Temperature effect	With temperature automatic compensation is basically not affected by external temperature changes
Gross weight	17.5kg
Packing size	440*340*510mm

Packing List

Machine	1pc
Data transmission line	2pc
Controller	1pc
The lens is connected to the data line	1pc
Power cord	1pc

Real-time online test

High precision

Wide test range

Infrared Online Moisture Analyzer

Infrared measurement technology

Using grating infrared technology, its stability is greatly improved compared with six beams and eight speeds of light and the average test accuracy can reach about 0.1%-0.5% (depending on the measured materials)