

HK INSTRUMENT SYSTEMS

HK8-NIR-H₂O

Continuous
On-Line
Real Time

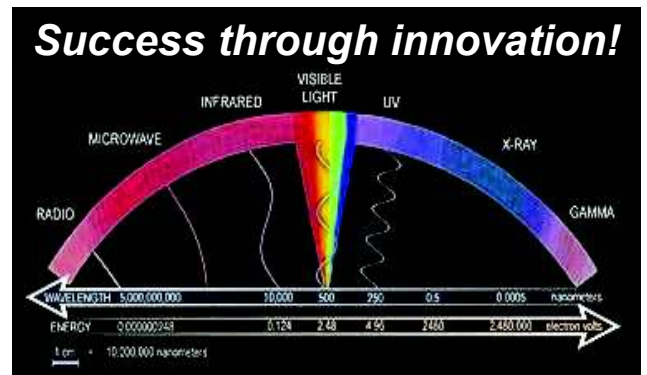
Moisture  on a belt

***Near-Infrared
LED Based System***

**THE HK8-NIR-H₂O
A REVOLUTIONARY SYSTEM
THAT WILL CHANGE
THE WAY COMPANIES MEASURE
MOISTURE ON-LINE**

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process 
measurement



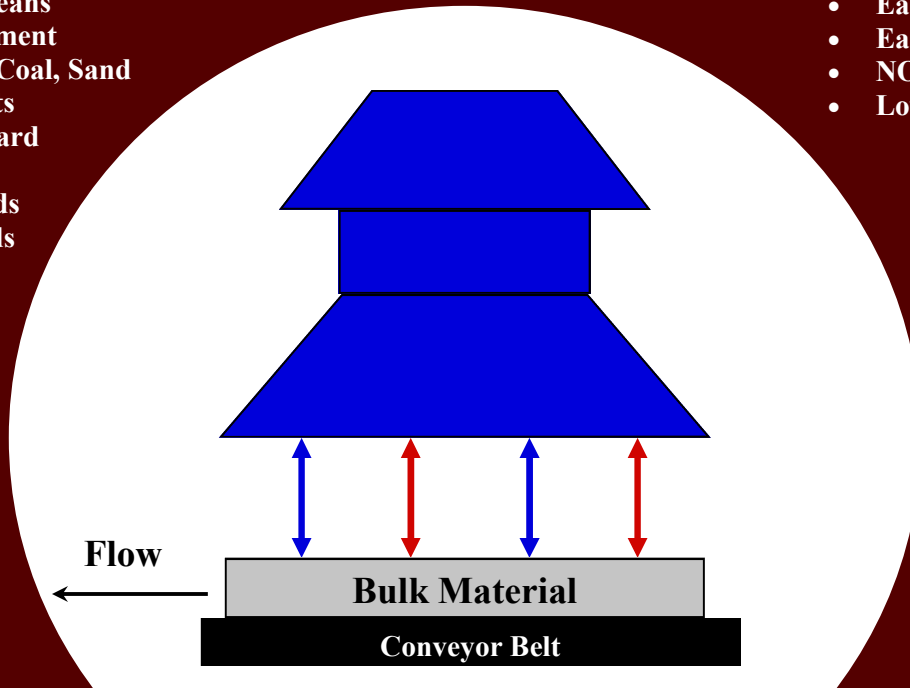
MEASURE MOISTURE WITH THE HK8-NIR-H₂O

Conveyor Belt Applications

- Sugar Beet Pulp
- Pet Food
- Ag Products
 - Corn, soy beans
- Powders - Cement
- Gravel, Clay, Coal, Sand
- Wood Products
 - Particle Board
 - OS Board
 - MDF Boards
 - HDF Boards
 - Saw Dust
- Cereals
- Crackers
- Potato Chips

Benefits

- No Filters
- No Halogen Bulbs
- Easy to Install
- Easy to calibrate
- NO moving parts
- Low maintenance



**Multiple LED's Measuring at
970nm, 1200nm, 1800nm, and 2200nm**

Equipment Specifications

Measuring method Sensor	Near Infrared in Reflection Mode Illumination using Near Infrared LED's
Housing dimensions h x w x d enclosure rating	Cast Aluminum housing, Optional Stainless Steel Housing 230 x 280 x 110 mm IP65/NEMA 4
Power Analog Outputs Computer Interface	110/230 VAC 4-20 mA isolated RS232 or RS485 bi-directional
User interface Operating Monitoring	6 soft-keys in integrated keypad 2 x 24 characters in an illuminated display
Measuring precision	0.5 % - Moisture Content Bulk Materials
Ambient conditions Environment temperature Product temperatures	-20 °C to +85 °C > 4 °C to +130 °C