

SUMMARY

Inconsistent moisture content causes discoloration on installed asphalt roofing product. This problem typically occurs after installation and results in costly quality claims. The SMART III NIR system continuously monitors moisture content in the 0 - 60% range allowing manufacturers to identify defective product before it ever leaves the plant.



INDUSTRY BENEFITS

- Identifies moisture issues before product leaves plant, reducing quality claims
- Integration options for direct process control to improve yield
- Easily-mounted, durable sensor suited for harsh plant environments
- Recognizes process deficiencies by closely tracking historical data

SMART III NIR PRODUCT FEATURES

- Continuous non-destructive moisture sensing in the 0 to 60% range
- Simplified optics design cuts maintenance and calibration requirements
- Readings are updated 30 times per second as material passes the sensor to enable rapid drying control
- Simple-to-learn user interface with advanced reporting available for power users
- Patented process of filtering reflected energy from sample reduces ambient light and color interference
- Drift-free temperature stability

KEY SPECIFICATIONS

Moisture Range	Minimum: 0 to 0.1%, Maximum 0 to 60% (wet weight)
Update Rate	30 moisture calculations per second
Penetration Depth	Up to 1mm

Rev 3/16