

moisture

Working with all monitoring and control applications, the OPI-integris moisture Cable is a valuable tool for building an *Advanced Grain Management* system.

Winner of the
AE50 Award
for Outstanding
Innovation in Product
Technology!

Monitor grain moisture content and temperature up through the bin to track natural air drying and in-bin conditioning with the StorMax handheld monitor.



The StorMax monitor (above) shows the 5 sensors (bottom to top) on the cable, by Temperature, RH and Moisture Content.

WET GRAIN

DRYING ZONE

DRY GRAIN

Combine with Integris ProModel and IntegrisPro automated control system for a high degree of moisture control and accuracy.



 **OPI systems**

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We are *Advanced Grain Management*
www.advancedgrainmanagement.com

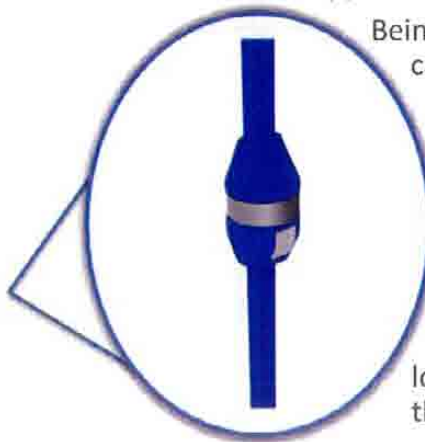
integris USA LLC

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Our new moisture Cable is "solid" with sensor "nodes" placed on the cable commonly at 1.2m intervals in farm applications and 1.8m intervals in commercial applications.



Being solid, the cables do not have the retractable feature of our StorMax temperature cables, but gain by generating lower loads on the roof structure.

Each sensor node consists of a Relative Humidity sensor encapsulated in a sintered filter that protects the sensor from dust and contamination, while allowing for instantaneous readings.

By measuring the Relative Humidity in the airspace around the grain, we are able to calculate grain moisture content with a relatively high degree of accuracy.

Each node also includes a temperature sensor, so that moisture content and temperature can be read all the way up through the grain.

Cable Suspension and Roof Support Options:

As with our StorMax temperature cables, moisture Cables come with the option of ANGLE suspension for installing cables on the outside of the roof or HANGER suspension when hanging cables from structural members on the inside of the roof.

OPI-integris offers a series of roof support brackets for cable lengths of up to 21m, which can be installed during or after bin construction.

For ANGLE installations:

- BRK3 for radius cables up to 15m in length
- BRK1 & BRK2 for radius cables of lengths from 15 – 21m in length

Angle



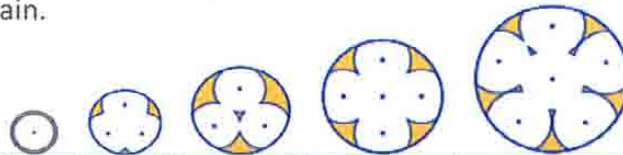
Hanger



BRK3



BRK1 & BRK2



Bin Diameter	<7m	7m	11m	13m	15m
Coverage with OPI recommended cables	90%	99%	80%	86%	88%
Coverage with One center cable only	90%	69%	31%	23%	17%

Number of Cables per Bin

Because grain is such a good insulator, we recommend multiple cables for bins 7m or greater in diameter. The beauty of the OPI-integris system is that you can interconnect different kinds of devices, like moisture and temperature cables, on the same line. As a result, we recommend a minimum of one moisture Cable with an additional moisture Cable per radius in larger diameter bins.