

New Prototype Aimed at Cutting Costs

by: LIROS ELECTRONIC

In the face of growing demand for food worldwide, temperature monitoring in arable storages has become increasingly important. There is a wide selection of temperature monitoring systems on the market today, but choosing the right one is not always easy.

Costs are the determining factor

As in any business, food storage managers are determined to keep costs down. Digital systems are easier to install, consistently accurate over time and require very little maintenance, but they usually come with a bigger price tag. Many analogue systems are cheaper and thus more attractive, but they are complicated to install, increasingly less accurate over time and require regular maintenance to function properly. These are factors to consider. But both systems have one factor in common: The loss of stored commodity is even more costly and severe.

With simplicity in mind

Keeping these factors in mind, AB LIROS ELECTRONIC from Malmoe, Sweden, has begun to develop a new temperature monitoring system combining easy installation and high, lifetime accuracy with low system costs. The result: The Grain-Watch® TMX Digital Temperature Monitoring System. The TMX System is a

simplified version of the fully digital Grain-Watch® TMS System. A prototype TMX System is currently undergoing extensive testing. Like its bigger brother, the TMX System will only require 2-wire and 3-wire cables for connecting all components. Installation made easy.

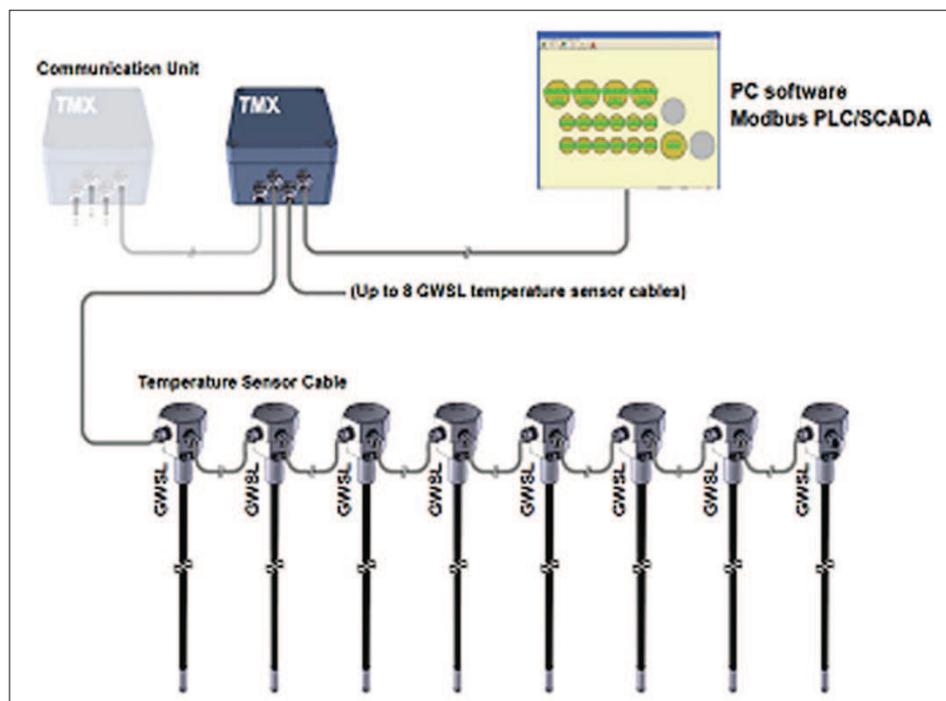
Self-addressing sensor cables

To make installation even easier, the sensor cables will not require a fixed placement scheme. They will simply identify and address themselves once connected to the system. And, of course, they are calibration-free. For life.

All the advantages of a digital system

The fully digital TMX System is modular and easy to expand. It consists of up to 19 TMX Communication Units (10-30VDC) in series, each with 2 outputs. Each output accepts 8 self-addressing sensor cables in series (16 sensor cables per Communication Unit). Using a stable RS-485 data bus and a well-defined communication protocol, the TMX System will connect seamlessly to the Grain-Watch® TMS Software or to an existing PLC/SCADA system using its built-in Modbus protocol.

www.grain-watch.com



SCAFCO Grain Systems makes important donation to new KSU feed mill

For over 20 years administrators at Kansas State University (KSU), in Manhattan, Kansas, U.S., were nurturing a vision for a modern feed mill for their Feed Science and Management program. It is now becoming a reality. Construction at the new O.H. Kruse Feed Technology Innovation Center at KSU began in early 2012. The new feed mill was made possible, in part, by donations from companies with serious interest in the research and the advancement of grain and feed science.

One of these companies is SCAFCO Grain Systems of Spokane, Washington State, U.S. SCAFCO Grain Systems made an important donation of grain storage bins/silos and grain handling equipment for use at the new KSU feed mill.

SCAFCO Grain Systems is a leading manufacturer of grain storage and handling equipment to over 80 countries around the world. The SCAFCO equipment at KSU will support programs at both the Animal Science and Grain Science departments and the mill will act as the new home of the Feed Science and Management program at KSU. The storage bins/silos donated by SCAFCO will serve as ingredient storage and for conducting large-scale grain storage quality preservation research. Assembly and construction of the SCAFCO equipment and the KSU feed mill is now nearing completion.

SCAFCO Grain Systems will be exhibiting at VICTAM Asia 2014 and GRAPAS Asia 2014. Plan to take advantage of the opportunity to visit with SCAFCO representatives.

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