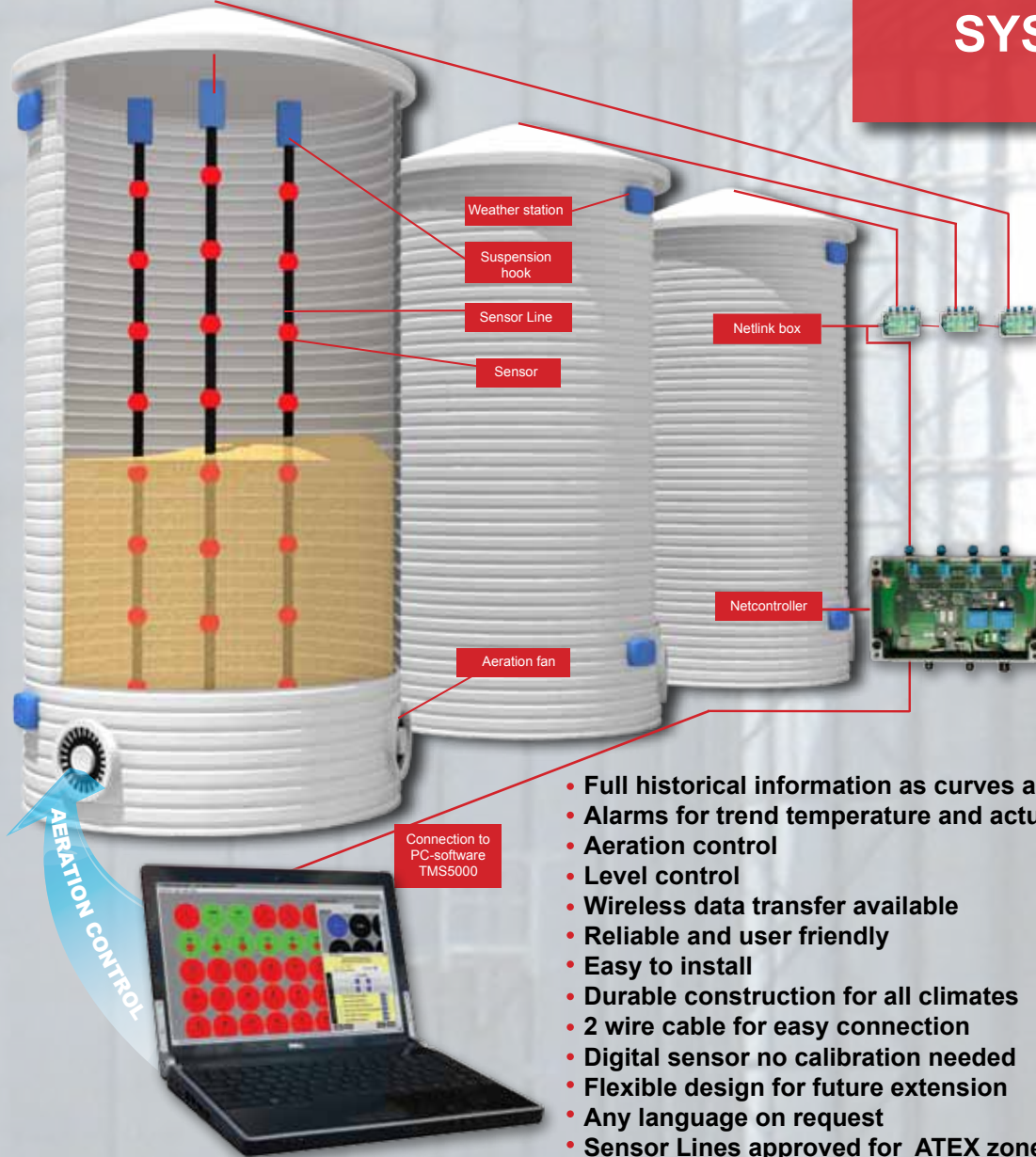


# TMS5000

**AGROLOG**  
GRAIN GUARD

Agrolog TMS5000 is a professional, fully automated Temperature Monitoring System with all the temperature sensors connected into a digital network and connected to a PC using the Agrolog PC5000 Grain Guard Software or another similar management system like SCADA or PLC etc.

**TEMPERATURE  
MONITORING  
SYSTEM**



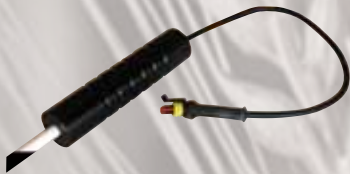
**GRAIN QUALITY MANAGEMENT  
FOR GRAIN SILOS AND BULK STORAGE**

**Super Tech**  
Agro line

[www.SupertechAgroline.com](http://www.SupertechAgroline.com)

### TEMPERATURE MONITORING SYSTEM

The Agrolog TMS5000 is a professional, fully automated Temperature Monitoring System with all the temperature sensors connected into a digital network and connected to a PC using the Agrolog PC5000 Grain Guard Software or another similar management system like SCADA or PLC. Not only can this system effectively measure and monitor the temperature of crops in grain silos, it also reacts to temperature changes by activating fans to keep the crop climate at the optimum level. The Agrolog TMS5000 is made up of a series of Sensor Lines and temperature sensors, in each storage unit, connected into a digital network with a single point of access and linked to a PC using the Agrolog PC5000 Grain Guard Software. Also wireless data transfer and internet access is possible. This system offers a number of features to ensure the high safety of crops whilst in storage.



#### Sensor Lines

High load Sensor Lines up to 60 meter long for ATEX Zone 20/21/22 Number of sensor points on request. Standard is every 2 meter or every 3 meter

#### Suspensions

Different mounting brackets and hooks available for inside or outside assembly

#### Probes

Fibre glass probes or metal probes from 2,5m up to 12m long.

- 2.5m – 2 sensors
- 4.0m – 3 sensors
- 5.5m – 4 sensor

#### Agrolog PC 5000 software

Unique customised software with optional features depending on the need. Any PC or lap-top with Windows XP, Windows 7 or later version can be used



#### Plant Layout

Plant layout uses colour alarms to indicate actual temperature and temperature trend. Click on each silo to see the Matrix view for all sensor temperatures and temperature trends.



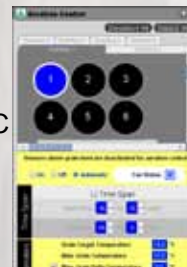
#### Alarms

Set Points for absolute temperature alarm and trend temperature alarm can be adjusted for single silos or groups of silos. Local and external alarms can be enabled.



#### Grain Level

To optimize control of the aeration and avoid false alarms, signals from temperature sensors above the grain level can be disabled.



#### Aeration Control

Automatic Aeration Control for activating or deactivating the fans. It uses parameter settings such as outdoor air humidity, outdoor air temperature, target temperature for the grain in the silo, time span etc.



#### Detailed Historical information

Statistics of all the temperature, all alarms. All data can be displayed as tables or curves for a silo, a sensor line or even a single sensor.

### TECHNICAL SPECIFICATIONS

- Measuring range: -10°C to +80°C
- Resolution: 0.1°C
- Sensor: 1-wire digital
- Logging interval 1 to 24 hours
- Communication: RS485
- ATEX approved by TÜV



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We reserve the right to technical changes.