

# Monitor your stored cereal

**Do not take risks**



**Gescaser**  
control systems for cereal

# Gescaser



## About us

GESCASER S.A. was born in 1973 in response to the necessity of preserving the grain during its storage stage. Our main objective is to provide detailed and continued information of the grain temperature on different levels in order to guarantee the grain preservation in the better conditions.

We have been dedicated to preserve cereal for more than four decades. This long trajectory has allowed our organization to achieve high levels of self-demanding and compromise that are actually supported by a large international customers' network which is, without any doubt, our best business presentation card.

**On its way to excellence and thanks to the focus on R&D&i investment, GESCASER has developed the first grain conservation system that measures biological activity levels through temperature, humidity and CO2 sensors.**

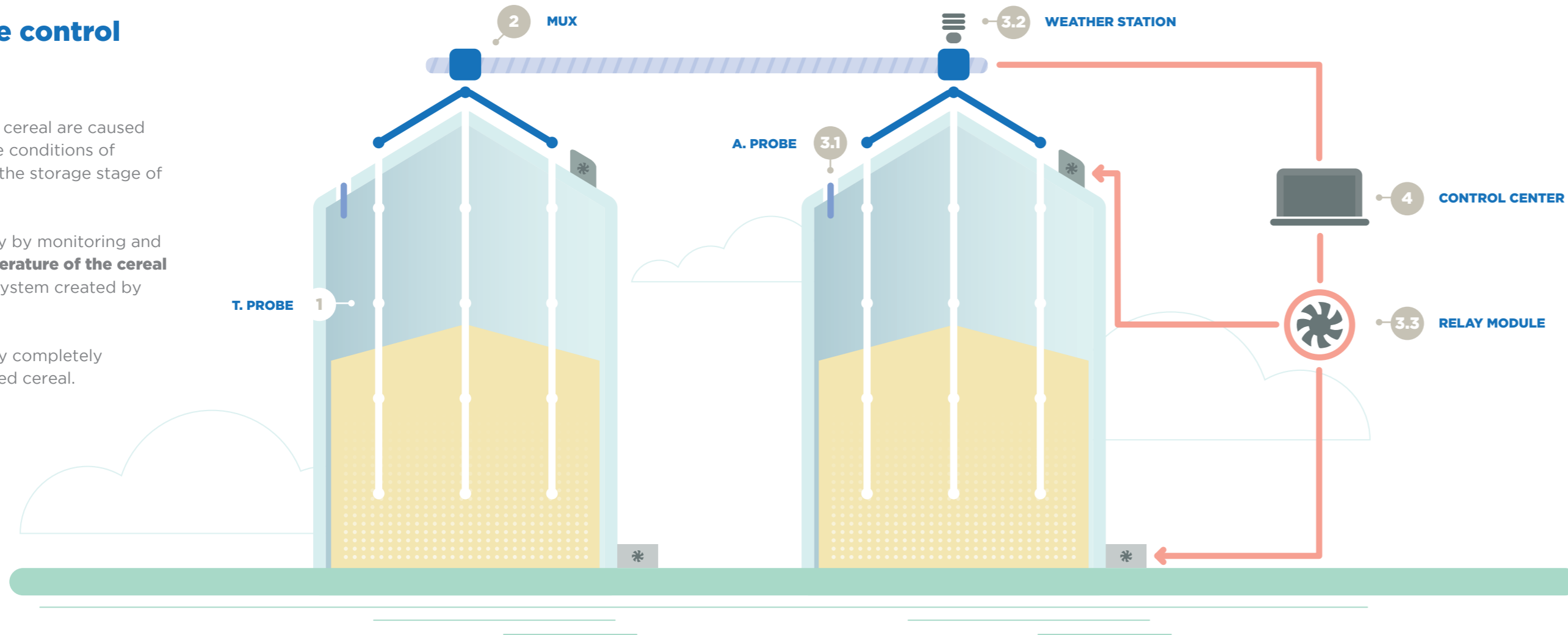


## Temperature control for cereal

Most of the losses of cereal are caused by problems with the conditions of conservation during the storage stage of grain.

Save time and money by monitoring and controlling **the temperature of the cereal** with the measuring system created by GESCASER.

Pass quality audits by completely controlling your stored cereal.



## Cereal Warehouses

Temperature probes can be installed in **metal silos, concrete silos or cereal warehouses**.

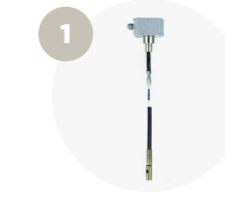
Our **fastening system** for probes allows machines to work while storing and emptying the warehouse.



## CTC Software

It shows you the **temperature** of the cereal stored on different levels, controls the **stock levels** and the automatic **ventilation** according to the environmental conditions.

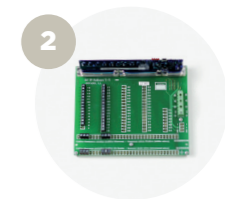
Thanks to the **temperatures history by graphs**, you will be able to act before any alarm situation happens. All the information obtained can be transferred to your **SCADA** by OPC or Modbus.



**TEMPERATURE PROBE**  
Smooth, flexible and small-diameter tube which reduces the traction on the silo roof. It measures the temperature on different levels. The sensor cable can be extracted and reinserted (even if silo is full) what makes easy to repair, verify or calibrate.



**TEMPERATURE & MOISTURE PROBE**  
It measures the **temperature and humidity** (through the EMC tables) of the cereal stored at different levels within the silo. The number of sensors and the distance between them can be defined by the client according to their needs.



**MUX**  
MUX, which are the **electronic boxes**, are normally placed in the centre of the silo and are easily accessible from the footbridge. **Easy to connect and replace**, they facilitate any kind of repair.



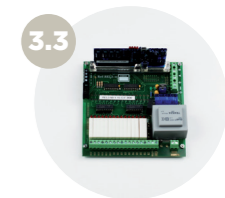
**AUTOMATIC VENTILATION**  
It allows the **automatic control of fans and exhaust roof fans** related to each silo according to the environmental conditions and the stored cereal.



**ANTI-CONDENSATION PROBE**  
It measures the relative humidity and the air temperature between the cereal and the silo ceiling. **It controls the starting and stoppage of the exhaust roof fans**, avoiding condensation on the walls and the silo ceiling.



**WEATHER STATION**  
It measures the relative humidity and the outdoor air temperature. It allows the fans to turn on automatically only when **environmental conditions are favourable to ventilate**.



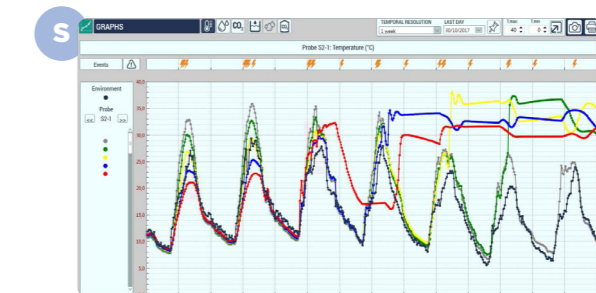
**RELAY MODULE**  
It is composed by free tension contacts where **fans** are connected for a better **start up and/or automatic stoppage** according to selected parameters. It can also be used as an alarm signal to import into your **PLC/SCADA**.



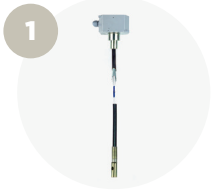
**CONTROL CENTER**  
It shows you the temperature of grain inside the silo according to the necessities and particularities of each installation.



**PORTABLE**  
It is ideal for **small installations with few sensors**. It monitors the temperature by a digital scanner or a Bluetooth module and **TABLET** able to design graphs by a temperatures history.



**SOFTWARE CTC+**  
Developed for those who seek the **highest** quality of their cereals. It allows the control from several **PCs**, to export and import information and an overview of the whole plant with the relation of current temperatures and its history. Save the history and make graphs, analysing trends allows you to act before alarm conditions occur. All the information can be consulted from your mobile through our and / or from your SCADA via OPC or Modbus.



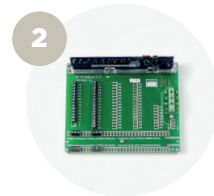
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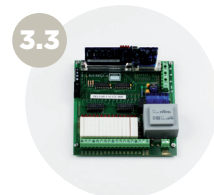
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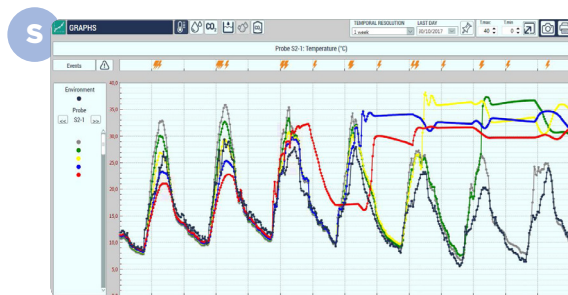
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