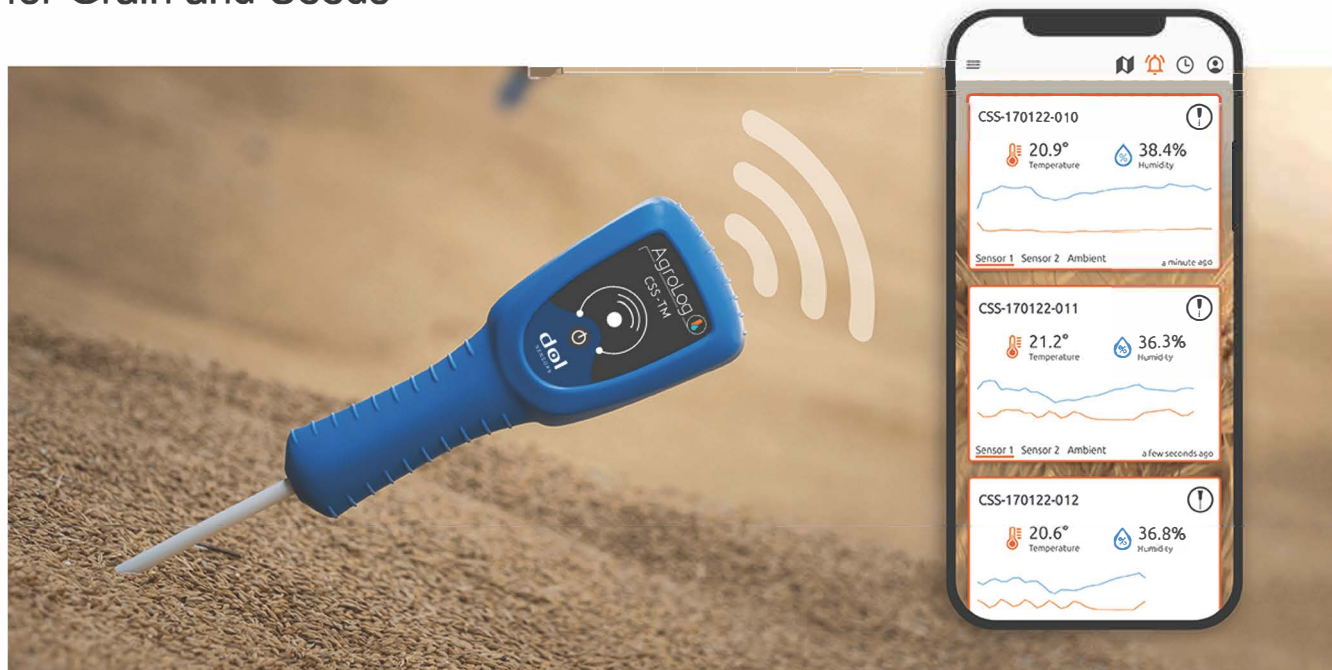# DOL Wireless Grain Sensor CSS-TM

Portable Wireless Monitoring System
for Grain and Seeds

Measure the temperature of your stored crops with a powerful wireless solution.

The Wireless Sensor Spear is a GSM-enabled device that accurately monitors the temperature and moisture of stored crops. Each spear displays its data on the AgroLog App and can be moved wherever it may be needed most. The app has a subscription fee of 108 EUR per sensor spear for 3 years.

The AgroLog App sends notifications when critical thresholds are reached, preventing grain loss and reducing risks. The spear works with multiple crops and in various environments. It can be placed, for example, in potatoes, beets, wood-chips, and multiple grain types.

Key features and benefits

Customizable wireless solution
We care about your needs: the spear is easy to use and move. You can decide how many spears you need to monitor your crops.

Avoid damages and losses
You can set notifications for temperature and moisture thresholds. Preventing any kind of damage to your crops.

Place it everywhere
Our spear can be used for different kind of crops (barley, grain, potatoes, etc.), and is waterproof.
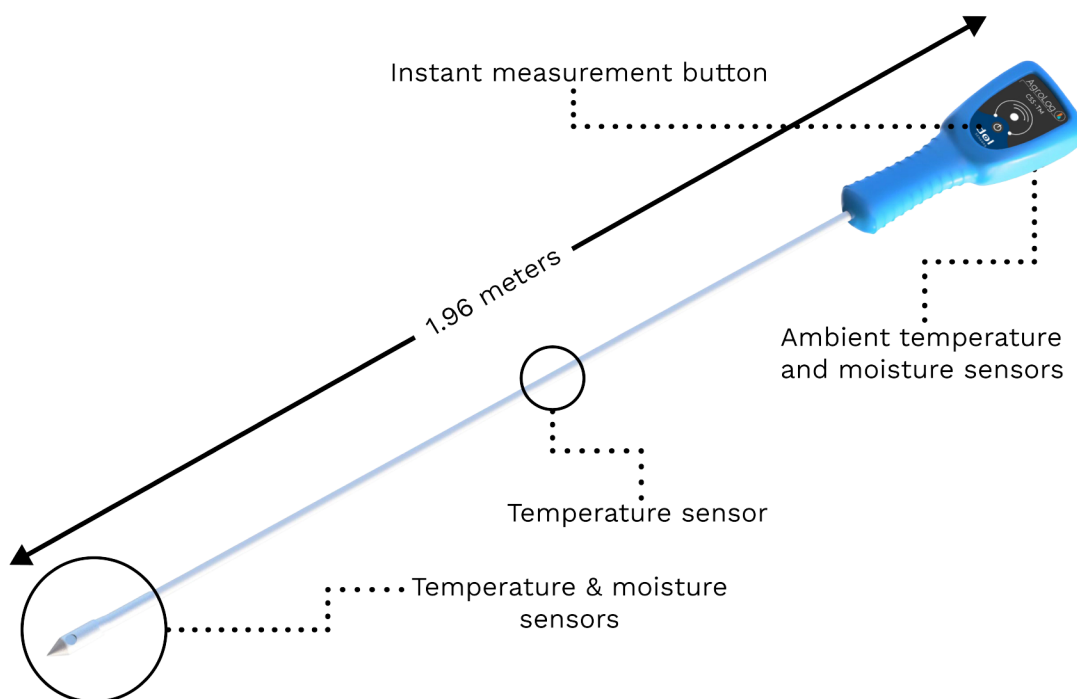
Automatic updates every hour
The spear updates as many times per day as you want. Alternatively you can force a manual measurement when needed.

Technical specifications

The Wireless Sensor Spear is a ready-to-use wireless device connected to the AgroLog App to ensure harvest protection.
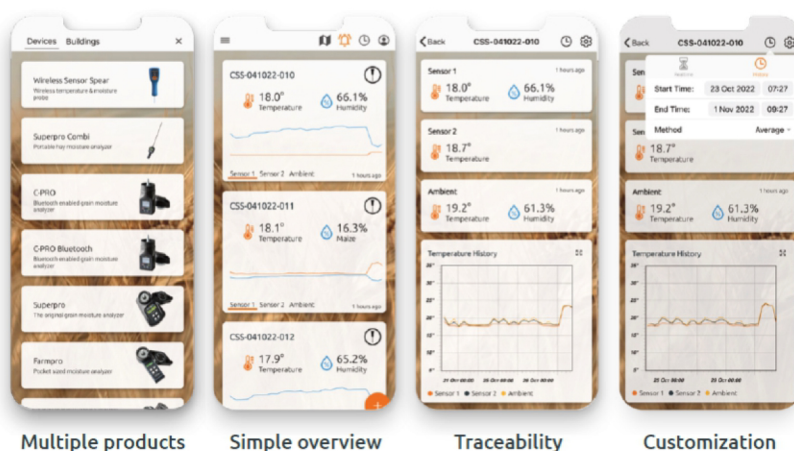
The CSS-TM spear measuring both Temperature and Moisture. Below you can see a possible configuration of the spear, and you can read more about the critical specifications.

Instant measurement button

1.96 meters

Ambient temperature and moisture sensors

Temperature sensor

Temperature & moisture sensors

AgroLog App

With the AgroLog App you are always in control of your products and storage, you get real-time insights and a historical overview of your crops.

There is a complete overview of the data collected from all devices at different times. All this information is available in the app and accessible through your smartphone.

Multiple products

Simple overview

Traceability

Customization

Download the app here

dol SENSORS

Technical data

Specifications		
Measuring range (Moisture)	%	5 to 50 depending on crop type
Measuring range (Relative humidity)	%RH	0 to 100
Measuring range (Temperature)	°C (°F)	-20 - +60 (-4 - +140)
Accuracy (Moisture)	%	From +/- 0,18 moisture to +/- 0,32 moisture at normal temperature, relative humidity, and depending on crop type
Accuracy (Temperature)	°C (°F)	+/- 0,2(+/- 0,36)
Resolution	% / °C	0,1 moisture and 0,1 temperature
APP		
AgroLog App		Download the app here
Mechanical		
Dimension	cm	196 x 10 x 6
Weight	g	580
Materials		
Spear		Fiber glass
Filter		Stainless Steel
Tip		Aluminimum
Battery		
Battery life	years	+2
Battery type	D size	Fanso ER34615M/S STD or SAFT LSH 20 (140360)
Environment		
Operating temperature	°C (°F)	-20 - +70 (-4 - +158)
Storage temperature	°C (°F)	-30 - +80 (-22 - +176)