

iGRAIN WEATHER STATION

FAST RESPONSE WEATHER MONITORING FOR AERATION CONTROL



General description

The iGRAIN WEATHER STATION has been developed to give fast and reliable information about the ambient temperature and air moisture condition.

This is required for efficient aeration control.

The iGRAIN Automatic Aeration Control Software is an advanced system and requires this information to perform the optimum aeration control.

It is important to monitor several weather conditions in order to decide when to start or stop the aeration fans. Depending on the climatic zone, time of the year, storage time and grain moisture. Some of these conditions are:

- Rain starting or stopping
- Near freezing condition
- Sun rise or sunset conditions
- Ambient relative humidity relative to the stored grain moisture

The iGRAIN weather station is developed to suit all these purposes. It is designed for long durability even under harsh conditions such as long and cold winters, hot and warm tropical conditions and desert-like conditions.

It comes with smart accessories, so it is easy to mount in any silo plant at a suitable location.



iG-PRO



iG-STANDARD

Weather Station	
AMBIENT AIR CONDITION	
22.6 C	60% rH
Last 24 Hours Hi/Low	
T Hi: 35.30 C	rH Hi: 90%
T Low: 20.60 C	rH Low: 60%
Latest Reading: 21/03/2017 10:25:40	Status: Read

ADVANTAGES

- **Accurate Ambient weather information**
- **Precise ambient humidity sensor**
- **Very durable construction with low maintenance requirement**
- **Suitable for any climate**
- **Remote access via iGRAIN MANAGER SOFTWARE**

Technical specifications

The Weather Station communicates via a data-bus to the iGRAIN MASTER-HUB that also supplies the power for the unit.

Measure range: Relative Humidity: 2 – 99% rH, non-condensing
Temperature: -30 - + 70 deg. C

Weather Shield: Sun protection shields
Rain and snow protection