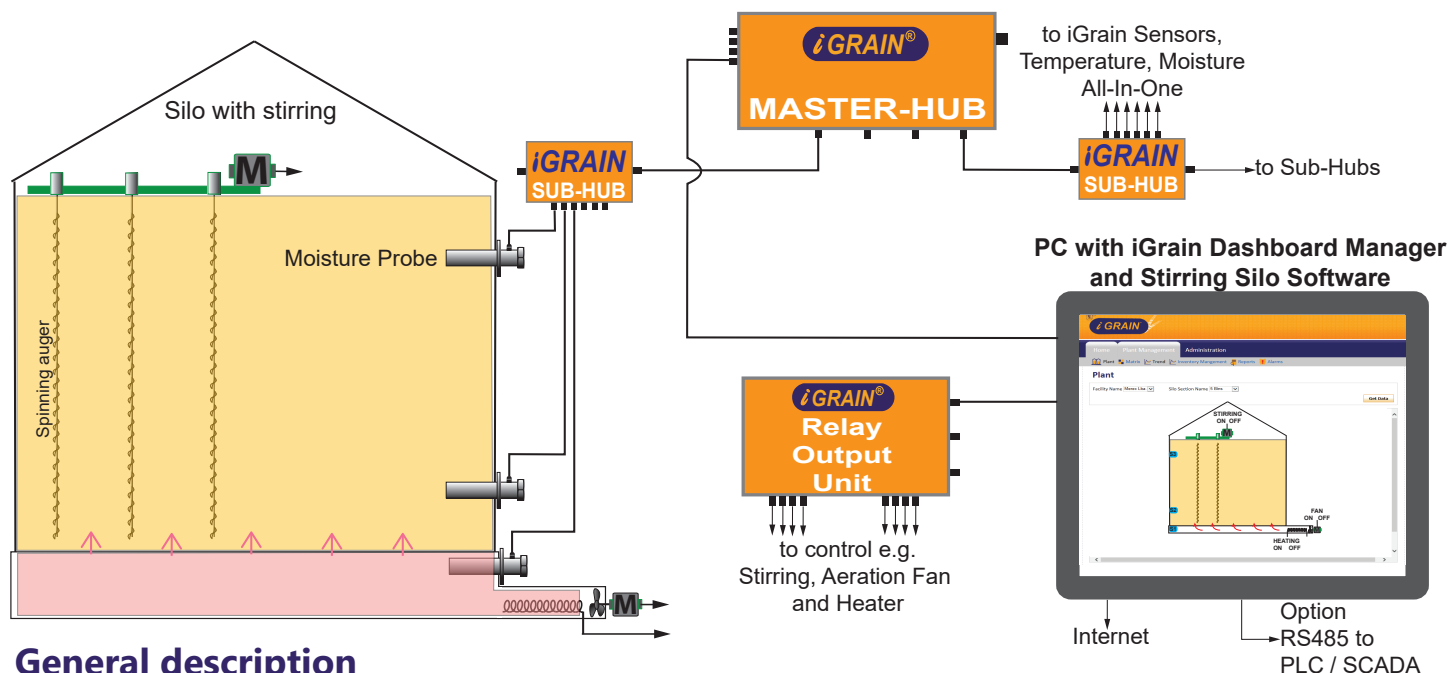


iGRAIN STIRRING BIN CONTROLLER

ADVANCED DIGITAL GRAIN MOISTURE MONITORING



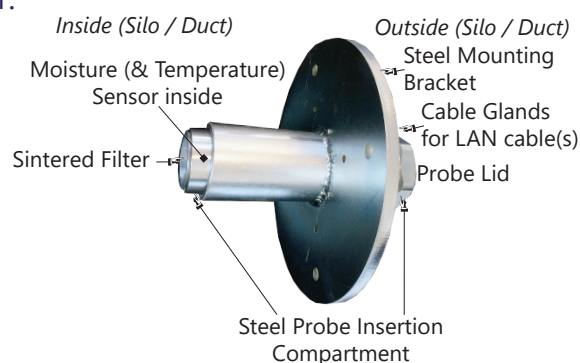
General description

The iGRAIN MOISTURE SENSOR PROBE is an advanced grain monitoring tool. It measures the ambient relative humidity at different points in the grain bin. The relative humidity is converted into grain moisture by the iGrain Manager Software based on the EMC curve (Equilibrium Moisture Concentration).

The sensor is housed in a rugged steel probe designed for insertion to the grain on the side of a silo (or duct). The data is monitored and applied to e.g. the iGRAIN STIRRING SILO SOFTWARE for control the e.g. the stirring, aeration fans and the heater.

ADVANTAGES

- **Easy Installation on silos and ducts from outside**
- **IP64 Weather Proof**
- **Designed for installation in silos with stirring**
- **Reliable GRAIN moisture measurements**
- **Connects to the standard iGRAIN network boxes MASTER-HUB and SUB-HUB**
- **Stirling Silo Software with functions for automatic stop and start of stirring, heating and aeration**



Technical specifications

The moisture Sensor Probes are designed for connection to a PC with the iGRAIN DASH BOARD MANAGER software and the iGRAIN STIRRING SILO software. The communication with the sensors is by means of the iGRAIN data network via the Master-Hub(s) and Sub-Hubs. The Master-Hub collects data from the Sub-Hubs that are connected to the moisture probes and possible other sensor cables.

Sensor Probe: Diameter: 40mm, Length: 160 mm
Mounting flange diameter: 80 mm
Fixation holes: 4 x $\varnothing = 6$ mm
Weight: 0,8 kg

Mounting Bracket: Diameter: 180 mm
Insertion Pipe Diameter (outer): 48,5 mm
Length: 82 mm
Weight: 1,8 kg

Sensor: Grain Moisture: 8 to 24% Moisture,