

iGRAIN NETWORK SYSTEM

ADVANCED SIGNAL TRANSFER VIA MASTER-HUB AND SUB-HUB

General description

The iGRAIN TEMPERATURE MONITORING SYSTEM is modular in its design and can be configured to small or big silo installations according to the need.

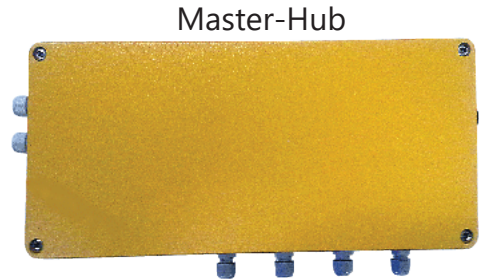
iGRAIN MASTER-HUB can connect to a maximum of 32 SUB-HUBS.

iGRAIN SUB-HUB has 6 inputs for 6 temperature Sensor Cables or moisture sensor cables.

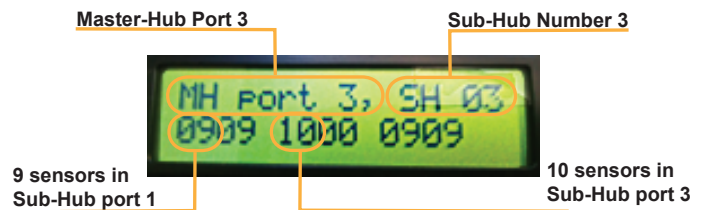
The system can literally be configured to suit any number of grain bins with any number of Sensor Cables. The MASTER-HUB has a build in display that displays continuously how many SUB-HUBS, Sensor Cables and Sensors it is communicating with. This makes it the preferred system in the industry because the system can be monitored, operated, commissioned, and serviced without the need to connect a PC.

The system interfaces with the iGRAIN DASH BOARD MANAGER software on a PC or in the cloud.

The iGRAIN MASTER-HUB gives an easy overview of all SUB-HUBS and how many sensors are reading in each port.



Sub-Hub



ADVANTAGES

- **Build in monitoring display**
- **Large capacity**
- **Remote monitoring via internet**

Technical specifications

MASTER-HUB	4 Input ports for up to 32 SUB-HUBS, and up to 192 Sensor Cables One MASTER-HUB Communicates with up to 1000 temperature sensors MASTER-HUBS can be put in series up to 15 units RS-485 Modbus communication with PC or cloud
SUB-HUB	6 Inputs from temperature or moisture Sensor Cables Connects to the MASTER-HUB via the iGRAIN data-bus Build in power indicator for easy system check