

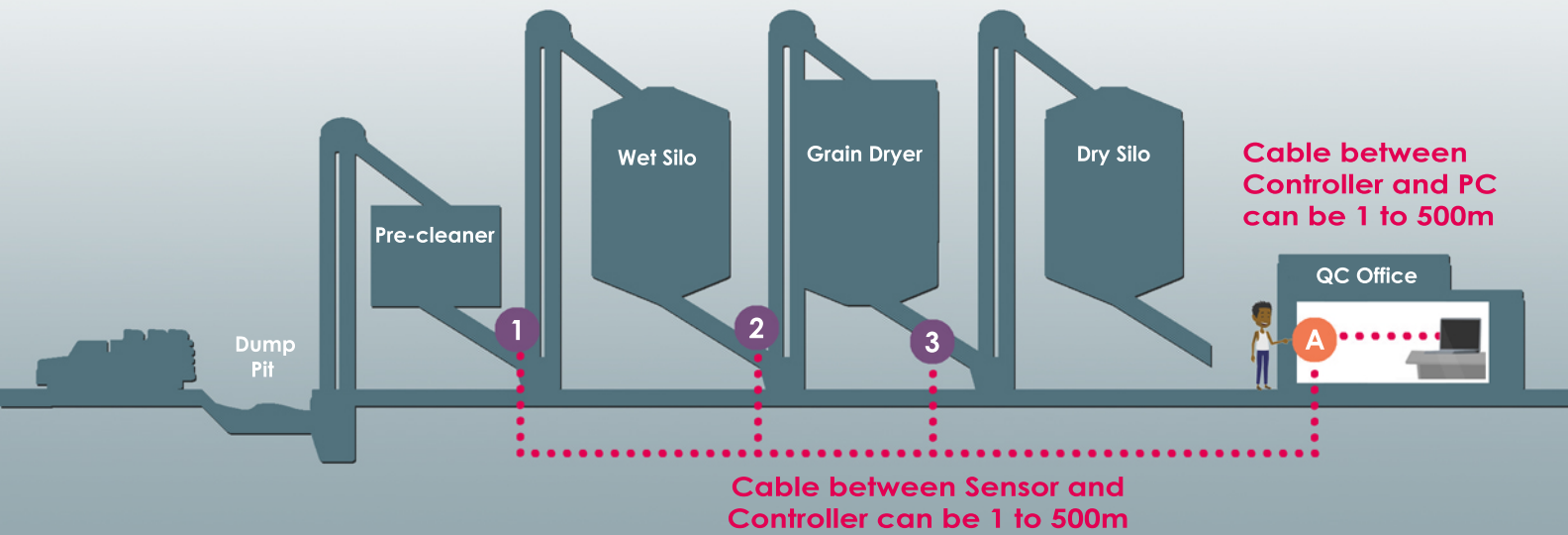


RX-Series

In-line, Interval-type Single Kernel Moisture Measurement System

For Corn, Paddy, Miled Rice, Brown Rice and many more

**** flexible positioning of *Sensor* for different purposes ****




- 1 To measure incoming grains moisture content, install sensor at the elevator bucket after the pre-cleaner.
- 2 To monitor grains moisture content inside the grain dryer, install sensor at the elevator bucket of the dryer.
- 3 To measure moisture distribution of grains after drying, install sensor at grain flow pipe before the dry silo.

A The controller can be positioned anywhere (inside factory or inside QC office).

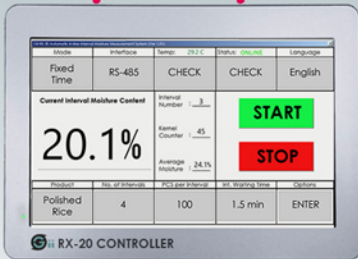
As long as it is within 500m from sensor and 500m from PC

Inclusive in 1 standard set of RX-20/30



50m RS485 cable


'KETT' In-line
Moisture Sensor



3m LAN cable

Touch Panel Controller
(IP 65)

Model	Interface	Temp	Unit	Default	Language
RS-485	RS-485	CHECK	CHECK	English	
Current Interval Moisture Content					
Interval Number	20.1%		START	STOP	
Kernel Counter	.45				
Average Moisture	.241%				
Product	No. of Intervals	Full per Interval	RT Working Time	Default	
Polished Rice	4	100	1.5 min	ENTER	



RX-Series PC Software

Interval Feature

You can control the rate and frequency of each measurement session with this unique interval feature by adjusting,

1. Number of measuring intervals
2. Number of pieces measured per interval
3. Waiting time between each interval

Each interval's average moisture value will be shown in the report, with a date and time stamp as well.

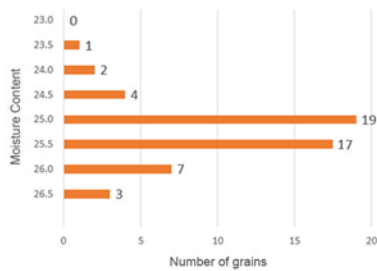
1 Measurement Session



Histogram Feature

Each single kernel's moisture content will be shown in the histogram, where you can see the moisture distribution of all the grains.

This histogram provides more in depth data than just the average moisture value. You can tell the homogeneity and quality of the grains.



Threshold Feature

You can set a minimum or maximum threshold moisture value for each measurement. The system will count the number of grains that exceed or fall below the threshold value, which will be shown in the measurement report.



An alarm will also sound every time a kernel passes the threshold.

Gii RX-Series Mobile App

Access all your latest and past data anywhere, anytime via the Gii RX-Series mobile app.



Also, spot trends and track all your data (from macro to micro) over the years with the in-built data visualization tools.

Specifications

RX-Series																																									
Measuring Principle	Electrical Resistance Method																																								
Applications	<table border="1"> <thead> <tr> <th colspan="2">RX-20</th> <th colspan="2">RX-30</th> </tr> </thead> <tbody> <tr> <td>Long Paddy</td> <td>(11-35%)</td> <td>Corn</td> <td>(11-40%)</td> </tr> <tr> <td>Long Milled Rice</td> <td>(11-20%)</td> <td>Soy bean</td> <td>(11-25%)</td> </tr> <tr> <td>Long Brown Rice</td> <td>(11-20%)</td> <td>Barley</td> <td>(10-40%)</td> </tr> <tr> <td>Short Paddy</td> <td>(11-35%)</td> <td>Long Paddy</td> <td>(11-35%)</td> </tr> <tr> <td>Long Sticky Paddy</td> <td>(11-35%)</td> <td>Long Milled Rice</td> <td>(11-35%)</td> </tr> <tr> <td>Jasmine Paddy</td> <td>(11-35%)</td> <td>Long Brown Rice</td> <td>(11-35%)</td> </tr> <tr> <td>Long Parboiled Rice</td> <td>(11-20%)</td> <td>Short Paddy</td> <td>(11-35%)</td> </tr> <tr> <td>Wheat</td> <td>(10-40%)</td> <td>Wheat</td> <td>(10-40%)</td> </tr> <tr> <td></td> <td></td> <td>Bare Wheat</td> <td>(10-35%)</td> </tr> </tbody> </table>	RX-20		RX-30		Long Paddy	(11-35%)	Corn	(11-40%)	Long Milled Rice	(11-20%)	Soy bean	(11-25%)	Long Brown Rice	(11-20%)	Barley	(10-40%)	Short Paddy	(11-35%)	Long Paddy	(11-35%)	Long Sticky Paddy	(11-35%)	Long Milled Rice	(11-35%)	Jasmine Paddy	(11-35%)	Long Brown Rice	(11-35%)	Long Parboiled Rice	(11-20%)	Short Paddy	(11-35%)	Wheat	(10-40%)	Wheat	(10-40%)			Bare Wheat	(10-35%)
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Measurement resolution	0.1%																																								
Measurement speed	Approximately 60 pcs/min																																								
Operating Environment	Temp: 0-50°C, RH: 0-80%																																								
Measurement Settings	<table border="1"> <tbody> <tr> <td>No. of Intervals</td> <td>: 1 to 50 intervals</td> </tr> <tr> <td>No of PCS/interval</td> <td>: 10 to 250 PCS</td> </tr> <tr> <td>Waiting time between intervals</td> <td>: 0.5 to 60 min</td> </tr> <tr> <td>Threshold range</td> <td>: 11.0 to 40.0%</td> </tr> </tbody> </table>	No. of Intervals	: 1 to 50 intervals	No of PCS/interval	: 10 to 250 PCS	Waiting time between intervals	: 0.5 to 60 min	Threshold range	: 11.0 to 40.0%																																
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Power Source	Sensor: AC 100-240V (50/60Hz) @ 75W Controller: 12-24VDC @ 9W																																								
PC Software Compatibility	Windows 10, 8.1, 8 and 7 (SP1)																																								
PC Software settings	Choice of PDF Report: A4/A5 Connects up to 10 sensors with 1 PC software Input company information for PDF report letterhead External software integration via MySQL database																																								
PC Requirements	1 USB port for PC software 1 Ethernet/USB port per sensor																																								
Standard Accessories	1x Moisture sensor with sensor cable 1x 24V Power Supply 1x Touch panel controller 1x RS232C-RS485 Converter (requires 5-12V DC power) 1x 50m RS485 cable 1x 3m LAN cable 1 x USB Flash drive with PC Software																																								
Dimensions	Controller: 187(L) x 52(D) x 124(H)mm, 0.6kg Sensor: 150(L) x 120(D) x 220(H)mm, 2.0kg																																								
Options	*Cable length between sensor and controller up to 500m *Cable length between controller and PC up to 500m *USB-Ethernet Converter *LAN splitter																																								

Sample PDF Report

GLOBAL INSTRUMENTS PTE LTD																																																																																																																																																	
BR. 65A Jalan Tenteram #06-04 Singapore 328958																																																																																																																																																	
GRAIN MOISTURE ANALYSIS REPORT																																																																																																																																																	
Supplier Name	Corn Supplier A_Truck 1	Application	Corn																																																																																																																																														
Date/Time	24/08/21 10:33:56	Temperature	29.2°C																																																																																																																																														
Printed By	QC Staff A	Sensor No.	4																																																																																																																																														
Total PCS Measured	3050	Total No. Intervals	12																																																																																																																																														
Final Average Moisture	14.33%																																																																																																																																																
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