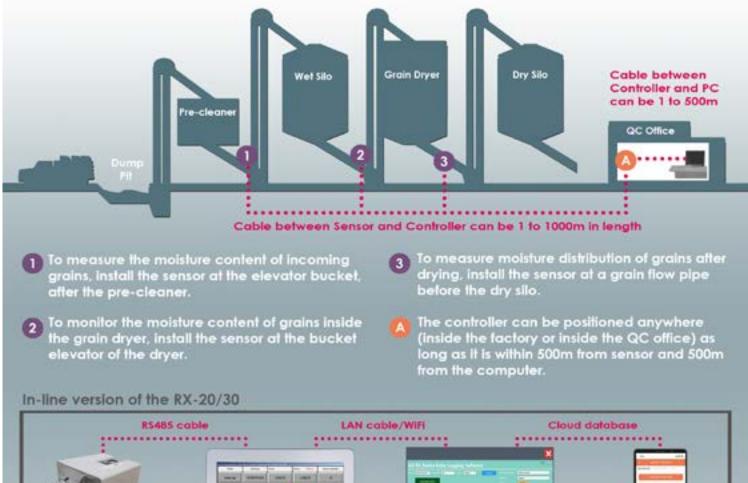


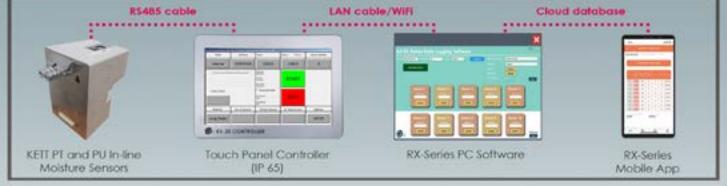
# **RX-Series**

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

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

# \*\* flexible positioning of SENSOR for different purposes \*\*





## Desktop version of the RX-20/30



## Continuous Interval Feature

You can control the rate and frequency of each measurement session with our unique interval feature adjusting:

- 1. The number of measuring intervals
- 2. The number of pieces measured per interval
- 3. The waiting time between each interval

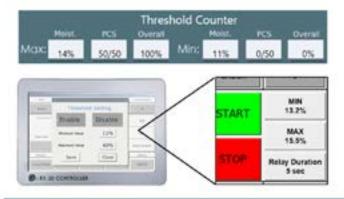
Additionally, the average moisture value of each interval will be shown in the report, along with the date and timestamp.



#### Moisture Threshold Feature with Siren Alarm

For each measurement, a minimum and maximum threshold moisture value can be set. The system will count the number of grains that are outside these ranges and post them on a measurement report.

An alarm can also be added in Relay Mode that is triggered every time an interval measurement exceeds the user's set minimum or maximum threshold value.



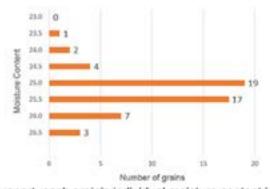
### **Overview Table Feature**

Nene	Stehn	Sensor No		Lest Mean Min, Three						
Josef 1		Samate 1		8% 3/30	100%. 30/20	12,9%	11.7% 14,36.10	15,2% 14,24,17		
Intake 2	NOT IN USE	Servir 2								
Dryer 1	NOT IN USE	Senator 3								
Set	NOT IN LISE	Senate 4	6-1					-	-	4

On one overview page, the user can view the last 10 measurements for each sensor.

At a glance, the user can check for any abnormal data, and fix these issues faster than before.

#### Histogram and Standard Deviation Feature



In the report, each grain's individual moisture content is shown in a histogram, along with the standard deviation and average, allowing the user to see the distribution of moisture content.

Detailing sample homogeneity versus only the average moisture content, the histogram allows for more in-depth understanding of your process variables, product quality changes, and supplier comparisons.

#### Continuous Data Logging and Inputting Supplier Information on PC Software

Supplier Name:	XXXXX	Total Interval :	1	Grade	A1
and New	14	Total PCS :	-	Ref rec	879KML
lauck/Versel No :	8 4554 ABV	Wright (boosed)	85	Variety	MON
Dartes/Trime 1	service services	Price/Kigi	90000	Type of Produce:	82
Application	Durt Robby	Locations	Jakarte	Printed by:	www.
	Interval No.	No. of PCS A	e. Moest. (%)		
	3	10 3	7.1	10/11/20 15/11/15	1
	2	10 1	14	10/11/23 15/12:33	
	3	10 1	7.1	10/11/22 15:13:47	
	4	10 1	7.3	10/11/23 15/14:55	
	.1	10 1	7.3	10/11/23 15/16/12	
					3
	+			_	-

Data will be continuously logged on the PC software with date and timestamp.

The user is able to input unique data into each measurement report, which will also be shown on the mobile application. Examples of this unique data are supplier's name, vehicle number, the name of the QC staff overseeing the measurements, and more.

After each measurement is completed, a PDF report will be automatically generated. This report will show all of the unique data entered, along with each interval's moisture content reading and the overall average moisture reading for the measurement session.

## 6 Different Measurement Modes

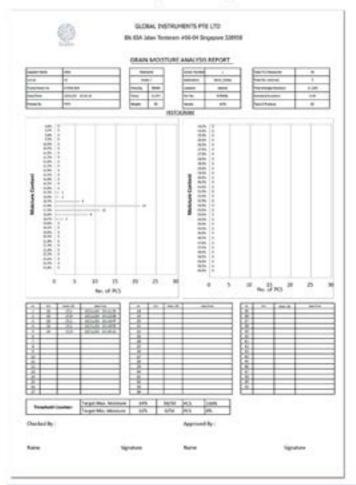
There are 6 different modes to choose during configuration. The mode selected depends on where the instrument is installed (eg. in the intake area, in the dryer or post dryer).

To allow you to carry out measurements based on your specific needs at each location, these modes are:

- Interval
  Fixed time
- Fixed pieces · Relay
- Dryer Mode 
  Flatbed mode



## **PDF Report Sample**



## Data Storage and Analytics on Mobile App



Gli RX-Series Available for iOs and Android



All data will be stored in a cloud database and can be accessed with the Gii RX-Series mobile application anytime, anywhere.

Data will be displayed live, with histogram and standard deviation values. Year on year comparison charts can also be viewed on the app.

## Specifications

	ICX-Series						
Measuring Principle	Electrical Resistance	Method		0			
Applications	EX-20	RX-30					
	Long Paddy	(11-38%)	Corn	[11-4090]			
	Long Milled Rice	(11-20%)	Soy bean	(11-25%)			
	Long Brown Rice	(11-20%)	Sarley	(10-40%)			
	Short Paddy	(11-38%)	Long Paddy	(11-38%)			
	Long Sticky Paddy	(11-38N)	Long Milled Rice	(11-20%)			
	Jasmine Paddy	(11-38%)	Long Brown Rice	(11-20%)			
	Long Parboiled Rice	(11-20%)	Short Paddy	(11-38%)			
	Wheat	[10-40%]	Wheat	[10-40%]			
			Bare Wheat	(10-35%)			
Measurement resolution	0.1%						
Measurement speed	Approximately 60 pcs/min						
Operating Environment	Temp: 0-50°C, RH: 0	-80%					
Measurement Settings	No. of intervals	: 1 to 50 intervals					
	No of PCS/Interval	: 10 to 250 PCS					
	Waiting time between	: 0.5 to 60 min					
	Threshold range	111.0 to 40.0%					
Power Source	Sensor: AC 100-240V (50/60Hz) @ 75W						
	Controller: 12-24VDC @ 9W						
PC Software Compatibility	Windows 11, 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						
1.1231/J	External software integration via MySQL database						
PC Requirements	1 USB port for PC software						
	1 Ethernet/USB port per sensor						
Standard Accessories	In Moisture sensor with sensor cable						
	1x 24V Power Supply						
	Is Touch panel controller						
	Le RS232C-RS485 Converter (requires S-12V DC power)						
	1x 50m R5485 cable						
	1x Bm 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						
20.00 C	*Cable length between controller and PC up to 500m						
	*USB-Ethernet Converter						
	*LAN splitter						



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To improve the product, specifications and appearance might be changed without notice. In addition, due to printing, the product's color may appear different from the actual article.

## Kett Product Lines · Seventy years of field experience allows Kett to offer unsurpassed quality, reliability and versatility!

#### **Primary Methods – Moisture Measurement**

Moisture Balances - Continuous, accurate, and repeatable measurements using built-in microprocessors. Simple to use and rugged, yet faster than traditional oven-drying. Models are available for all budgets, sample weights, and moisture contents.

#### Secondary Methods – Moisture and Composition Measurements

Near-Infrared Moisture Meters - Handheld, desktop, and production models are available. These devices provide instant, non-contact measurements of moisture for both solids and liquids by using optical absorbance. Ranges from .001% to 100% can be accurately, repeatedly measured within +/- 0.001%. Models include automatic zero adjustment, on-line calibration, large digital displays, memory, output options, computer interface, and industrial design. Optional data analysis software and specialized sensors provide the user with unmatched versatility and complete process control.

**Near-Infrared Composition Meter** - Desktop, and on-line/inline process models are available. These devices provide instant, non-contact, non-destructive measurement. Multiple organics components can be simultaneously measured. Major applications are moisture, water activity (Aw), API, fat/oil, protein, alcohol/solvent, BTU, homogeneity and more.

**Wood Moisture Tester** - Compact, handheld, one-piece units provide portable measurement of over 80 types of wood. We also offer the only non-invasive meter available for applications requiring measurements on rare and exotic woods, or, where non-invasive testing is desirable. Digital readouts, limit alarms, automatic temperature correction, and auto power-off are standard.

**Concrete/Mortar Moisture Meters** - Portable units for cured or curing conrete mortar and other dense products. A unique desktop for wet slurry samples. All models provides unmatched performance and versatility. Utilizing the dielectric principle, these can determine the average moisture content to a depth of 40mm. Digital displays, limit alarms, automatic temperature correction, and auto power-off are included.

**Grain Moisture Analyzers** - Thanks to our strenuous R&D efforts, Kett is internationally recognized for agricultural moisture testers and inspection instruments. Reliable performance and simple operation minimize operator variances, while providing simple calibration verification. Handheld, laboratory, and production models are available. All use electrical resistance principles (resistance, capacitance, rf, etc.). Digital displays, multiple calibrations, and rugged, ergonomic designs are standard. Various models offer on-line calibration, printer options, memory features, and built-in scales.

**Paper Moisture Testers** – Three portable, digital models are available depending on the moisture requirements. Electrical resistance is used to measure the moisture of copy, kraft, corrugated, rolls/reams and other paper and paperboard applications. Direct moisture readings, special calibrations, and relative moisture measurements are standard features.

**Universal Moisture Tester** – Main unit connects to a variety of Kett probes. Can be calibrated for specific customer applications. Contact, instant, non-destructive measurement. Probes include the three paper probes, 'pin' probes, and insert probes (applications such as sacks of a material or bulk storage items). Direct moisture readings, special calibrations, and relative moisture measurements are standard features.

#### **Surface Property Measurements**

**Coating Thickness Gauges** - The finest complete line of handheld non-destructive gauges for testing ferrous and nonferrous substrates. Digital displays and rugged, industrial designs are standard. Specific models include memory, statistics, integrated printers, and data output.

**Handheld Friction Meters (Tribometer)** - Our handheld models calculate the coefficient of static friction in under 10 seconds. These simple-to-use compact units operate on batteries, providing tremendous versatility, and includes an automatic averaging function. Our original (H94) measures when horizontal. Our latest version (H37) can measure at any angle, even upside down.

**Desktop Surface Property Testing Machines** - Precise evaluation of friction, abrasion, adhesion, scratch and peel resistance is available in several benchtop designs. Digital output is provided for quantitative evaluation of process or product variability.

#### **Other Instruments**

Specialized Rice/Grain Measurement Instruments - Building upon our 75 years or experience designing instrumentation for the rice and grain processing industry, we offer a complete array of instrumentation to measure rice and other grain crops. Manual, semi-automatic, and fully automatic instrumentation for size, color, quality, freshness and chemical composition.

