Grain Moisture Meter

Affordable Model

MC-7821

Functional Model

MC-7825G

Statistical Model

MC-7828G

Model:
MC-7821 (Affordable Model)
MC-7825G (Functional Model)
MC-7828G (Statistical Model)

Applications

Used for fast and accurate measurement of moisture in the process of allotment, acquisition, storage, machining of packed grains, feedstuff, powder.

Features

* The use of durable, long lasting components, including a strong, light weight ABS-plastic housing assures maintenance free performance for many years. The housing has been carefully shaped to fit comfortably in either hand.

MC-7821
* Able to measure the moisture of 4 kinds of grains. Can measure both moisture and temperature.

MC-7825G
* Can measure 37 kinds of grains.
* Digital display gives exact reading with no guessing or errors while a colour coded light (LED) indicates the moisture condition of the material. This combined presentation of moisture measurement helps the user to map the extent of problems and monitor changes in condition precisely and reliably.
* Automatic power off to conserve power.
* Apply USB, Bluetooth data output to connect with PC.

MC-7828G
* Can measure 37 kinds of grains.
* Digital display gives exact reading with no guessing or errors while a colour coded light (LED) indicates the moisture condition of the material. This combined presentation of moisture measurement helps the user to map the extent of problems and monitor changes in condition precisely and reliably.
* Automatic power off to conserve power.
* Apply USB, Bluetooth data output to connect with PC.
* Applies the cup measurement, reducing operating error.
* It realizes statistical function by displaying the Mean Value, Max. Value, Min. Value.
* Can store 240 groups of measurements.

Specifications

Model		MC-7821	MC-7825G	MC-7828G
Grains		4 Kinds	37 Kinds	37 Kinds
Display		LCD	LCD	LCD
LED Indicator		——	Green LED Represents a Safe, Air-dry State	
		——	Yellow LED Represents a Borderline State	
		——	Red LED Represents a Damp State	
Range	Moisture	8~20%	7~30%	0~50%
	Temperature	-10~55°C	——	——
Resolution		0.1	0.1	0.1
Battery Indicator		Low Battery Indicator	Low Battery Indicator	Low Battery Indicator
Auto Power Off		——	√	√
Accuracy	Moisture	±0.6% / ±0.8% / ±1%	±(0.5%n+1)	±(0.5%n+1)
	Temperature	±0.8°C	——	——
Operating Conditions	Temperature	0~50°C	0~50°C	0~50°C
	Humidity	< 80%RH	< 90%RH	< 90%RH
Power Supply		4x1.5V AA Size (UM-3) Battery	4x1.5V AAA Size (UM-4) Battery	4x1.5V AAA Size (UM-4) Battery
Dimensions	Main Unit	178x68x39mm	165x62x26mm	150x65x30mm
	Cup Sensor	——	——	115x66x66mm
Long Rod Sensor		368x44x25mm	368x44x25mm	——
Length of Rod		250mm	250mm	——
Diameter of Rod		8mm	8mm	——
Distance Between 2 Rods		17mm	17mm	——
Short Pin Sensor		——	157x44x44mm	——
Length of Pin		——	10mm	——
Diameter of Pin		——	0.7mm	——
Distance Between 2 Pins		——	3.5mm	——
Weight (Not Including Batteries)		420g	320g	520g
Standard Accessories	Main Unit	√	√	√
	Rod Sensor	√	√	——
	Cup Sensor	——	——	√
	Carrying Case	B01	B04	B04
	Manual	√	√	√
Optional Accessories		——	USB Cable with Software	USB Cable with Software
		——	Bluetooth Adapter with Software	Bluetooth Adapter with Software
		——	Short Pin Sensor	——

For pricing or any further information, please contact Omni Instruments Ltd.

Measurement and data acquisition solutions

Grains, Codes & Range for MC-7825G/MC-7828G

Code	Grain	Range
Cd01	Wheet / Rye (Whole)	7~31
Cd02	Wheet / Rye (Ground)	7~29
Cd03	Paddy (Whole)	7~29
Cd04	Paddy (Ground)	7~26
Cd05	Rice (Milled)	7~29
Cd06	Semolia	7~25
Cd07	Maize / Corn (Whole)	7~27
Cd08	Maize / Corn (Ground)	7~26
Cd09	Soya Beans (Whole)	6~28
Cd10	Soya Beans (Ground)	5~22
Cd11	Barley Oats (Whole)	7~34
Cd12	Barley Oats (Ground)	7~29
Cd13	Coffee (Whole)	7~31
Cd14	Coffee (Ground)	7~26
Cd15	Coffee Green (Ground)	7~27
Cd16	Cocoa Beans (Whole)	4~13
Cd17	Linseed (Whole)	6~21
Cd18	Lentils (Ground / Whole)	7~21
Cd19	Oilseed Rape (Ground)	5~26

Code	Grain	Range
Cd20	Mustard Seed (Whole)	7~21
Cd21	Sorghum / Milo (Whole)	7~28
Cd22	Sorghum / Milo (Ground)	7~26
Cd23	Sunflower Seed (Whole)	5~25
Cd24	Sugarbeet Seed (Whole)	6~20
Cd25	Flax (Whole)	5~21
Cd26	Peas (Progreta) (Ground)	7~27
Cd27	Peas (Ground)	7~30
Cd28	Ground Nuts Hulled (Whole)	5~13
Cd29	Grass Seed/Rye Grass(Whole)	7~28
Cd30	Grass Seed/Cocksfoot(Whole)	6~23
Cd31	Four / Soft Wheat	7~29
Cd32	Clover/White Seed(Whole)	6~24
Cd33	Clover/Red lucerne Seed(Whole)	6~22
Cd34	Buckwheat (Ground)	7~29
Cd35	Brassicas/Brussels Sprout(Whole/Ground)	5~15
Cd36	Beans/Tic/Winter(Ground)	7~25
Cd00	Fibre Material, for example Tea	

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