

Kett

SCIENCE OF SENSING

# PM-650 (version 6501)

Instant Moisture Meter for Grains, Seeds, Coffee and other small products



# Instant Moisture Meter for Grains, Seeds, Coffee and other small products. **PM-650**

**Fast, Reliable, Simple to operate, Competitively priced, Many measurement applications.**

Kett has developed a variety of highly successful moisture meters for portable use. The PM-650 is the latest in our product line and is indispensable for the grain, seed, and coffee industries.

The PM-650, version 6501 is a general purpose instrument for worldwide use. It will measure a wide variety of applications including wheat, corn, sunflowers, hazelnuts, coffee, tea. etc. Up to 150 applications may be installed.

## Quick & Easy Operation



Select product number

Press [MEA.] key and pour sample

The moisture content is displayed

## Special Futures

### • Wide Measurement Range

The PM-650 can measure the moisture content in grain and seed samples between 1-40% depending on the grain and the PM-650 version.

### • Automatic density and temperature correction

The capacitance principle is affected by both density and temperature. The PM-650 includes an integrated scale and thermistor to automatically compensate for variation in both, ensuring accurate moisture measurement each time.

### • Sample density (g/l) is provided

The PM-650 automatically calculates the sample density (sample weight/volume).

### • Printer and data output options

The PM-650 can be connected to an optional thermal printer or PC.

### • Stable load cell

Improvements in the load cell provide even better weight measurement stability when compared with our earlier models.

### • Versatile operation

Lightweight, easy to hold, large buttons, audible and display icons make the PM-650 an instrument anyone can use, in almost any environment.

## Specification : version 6501

Measuring principal	Capacitance (Dielectric) (50MHz)
Applications	Grains, Seeds, etc. (application dependent)
Measurement range	1-40% (sample dependent)
Precision	Standard error of 0.5% or less versus drying method (all samples with moisture content of less than 20%)
Sample volume	240mL
Operating temp. range	0-40°C
Functions	Automatic weight correction by integrated weight scale, Automatic temperature correction by integrated thermistor, Auto-power off, Auto-display for battery level icon, Average
Display	Digital LCD
Power supply	Batteries(1.5V alkaline "AA" size x 4)
Power consumption	240mW
Dimensions & weight	125(W) x 205(D) x 215(H) mm, approx.1.3kg
Standard Accessories	Funnel, manual hopper(sample cup), brush, batteries(1.5V alkaline AA sizex4), operating manual.

## Product List : version 6501

01 Broccoli Small Size	4-20	76 FISH MEAL	2-20
02 Cabbage Large Size	1-20	77 MUSTARD	4-20
03 Cabbage Small Size	1-20	78 BLACK PEPPER	4-20
04 Chinese Cabbage	4-20	79 FLAX SEED	6-20
05 Pak Choi	4-20	80 SAFFLOWER SEED	3-20
06 Radish Large Size	4-20	81 Beet	4-20
07 Radish Small Size	4-20	82 Vetch	4-20
08 Cucumber	4-20	83 Clover	4-20
09 Melon Large Size	4-20	84 Alfalfa (Medicago Sativa)	4-20
10 Melon Small Size	4-20	85 Parsley	4-20
11 Watermelon Small Size	4-20	86 Spinach	4-20
12 Summer Squash	4-20	87 Onion	4-20
13 CLOVE	6-20	88 Coronarium	4-20
14 Winter Squash	4-20	89 GROUND BARLEY	4-22
15 Cucurbita Ficifolia	4-20	90 Stock	4-20
16 Eggplant	4-20	91 Japanese Lawn-grass	4-20
17 Tomato Large Size	4-20	92 CHICK PEA	6-30
18 Carrot	4-20	93 CRASHED PEANUTS	1-20
19 Burdock	4-20	94 GRANOLA	2-16
20 Bunching Onion	4-20	95 CEREAL FLAKES	6-20
21 Pea	4-20	96 Soybeans	4-20
22 Bean	4-20	97 Broad Bean	4-20
23 Antirrhinum	4-20	98 Siberian pine	4-20
24 Aster	4-20	99 AMARANTHUS (Japan)	6-25
25 Calendula	4-20	A0 Taiwan PADDY (A)	6-25
26 Capsicum	4-20	A1 Taiwan PADDY (B)	25-40
27 Celosia	4-20	A2 Taiwan PADDY (C)	6-40
28 Coleus	4-20	A3 Tapioca Chips	7-20
29 Cosmos bipinnatus	4-20	A4 Tapioca Pellets	7-20
30 Cosmos sulphureus	4-20	A5 Tapioca Flour (B)	7-20
31 Dianthus barbatus	4-20	A6 Tapioca Flour (W)	7-20
32 Marigold	4-20	A7 Millets	6-25
33 Morning Glory Early Call	4-20	A8 Barnyard Millet	6-25
34 Pansy	4-20	A9 Proso Millet	6-25
35 Petunia	4-20	B0 AMARANTHUS (India)	4-20
36 Primula polyantha	4-20	B1 PEARL MILLET	4-20
37 Salvia	4-20	B2 Muskmelon	4-20
38 Vinca	4-20	B3 Lady finger	4-20
39 Zinnia	4-20	B4 Bitter Gourd	4-20
40 Wild Sesame	4-15	B5 Cauliflower	4-20
41 WHEAT	6-40	B6 Bottle Gourd	4-20
42 CORN	6-40	B7 Chilis	4-20
43 SOYBEANS	6-30	B8 Coriander	4-20
44 BARLEY	6-40	B9 Cotton	4-20
45 RYE	6-30	C0 SWEETCORN	4-20
46 OATS	6-30	C1 Knolkhol	4-20
47 SORGHUM	6-30	C2 CLUSTERBEANS	4-20
48 CANOLA	6-30	C3 COWPEA	4-20
49 SUNFLOWER LARGE	6-30	C4 DOLICHOS	4-20
50 SUNFLOWER SMALL	6-30	C5 FIELDBEAN	4-20
51 RICE	6-20	C6 REDGRAM	4-20
52 PADDY LONG	6-30	C7 Ridge Gourd	4-20
53 PADDY SHORT	6-35	C8 SUNFLOWER MEDIUM	4-20
54 ACKERBOHNEN	6-30	C9 CRYSTALLINE	4-20
55 MUNG BEAN	6-30	D0 SOFT WEATH	4-20
56 TRITICOSECALE	6-30	D1 INSTANT RICE	4-20
57 GREEN LENTIL	6-30	D2 DRY BEET PULP (EUROMIX)	3-15
58 RED LENTIL	6-30	D3 DISTILLERS DRIED GRAIN with SOLUBLES	6-20
59 CORN COB MEAL	4-40	D4 TEFF	8-25
60 ALMOND	2-18	D5 BUCKWHEAT	6-30
61 PEANUTS	4-20	D6 TATARY BUCKWHEAT	5-30
62 HAZELNUTS	4-15	D7 TATARY PERBOILED BUCKWHEAT	5-25
63 PISTACHIONUTS	4-20	D8 TATARY BUCKWHEAT FLOUR	5-25
64 CACAO	4-30	D9 WHOLE PUPA OF SILKWORM	4-20
65 DRY CHERRY COFFEE	4-40	E0 PEARL BARLEY	6-40
66 GREEN COFFEE	4-30	E1 PEARL BARLEY (HULLED)	6-20
67 ROAST COFFEE	1-20	E2 TEA (O.P.)	1-20
68 PARCHMENT COFFEE ARABICA	4-40	E3 TEA (B.O.P., DUST)	1-20
69 PARCHMENT COFFEE ROBUSTA	4-40	E4 GREEN TEA	1-40
70-73 : N/A		E5 OO-LONG TEA (LOW)	1-20
74 FLOUR (LOW PROTEIN)	8-20	E6 OO-LONG TEA (HIGH)	20-45
75 FLOUR (HIGH PROTEIN)	8-20		

## Requests

**Kett**

## KETT ELECTRIC LABORATORY

1-8-1 Minami-Magome Ota-Ku, Tokyo 143-8507 Japan  
Tel. +81-3-3776-1121 Fax. +81-3-3772-3001  
URL <http://www.kett.co.jp/> E-mail [overseas@kett.co.jp](mailto:overseas@kett.co.jp)

Management System Enhancement Department of the Japanese Standards Association (JSA) registers the Quality Management System of the above organization, which conform to JIS Q 9001, ISO 9001.

The Scope of the Registration.

Design, development and production management of Moisture Testers, NIR Composition Analyzers, Grain Inspectors and Coating Thickness Testers. Calibration and repair of Moisture Testers, NIR Composition Analyzers, Grain Inspectors and Coating Thickness Testers.