

# NON-DESTRUCTIVE MOISTURE TESTER

**Model HI520**



*SCIENCE OF SENSING*



*Tomorrow's Testing, Today !*  
**1-800-438-5388**

## Non-Destructive Moisture Tester

### *Instant Moisture Testing without Sample Alteration!*

This simple-to-use device allows the user to conduct accurate field testing of moisture values on a variety of solid substances. Simply place the instrument on the object to be measured and the moisture value is displayed in less than 3 seconds. Conventional destructive tests are now **obsolete!**

The HI500 uses a high density coil to produce high frequency capacitance signals. Two aluminum plates on the bottom of the unit generate the field. When placed on the test sample, dielectric constant is measured. When calibrated, this constant is converted into a moisture value. Preset calibrations exist for concrete, lightweight concrete, and mortar. A fourth setting is not calibrated and provides relative moisture readings. These values can be related to known moisture values on test samples to develop calibration values for a wide variety of products.

#### *Successful applications include:*

- Multi-laminate lumbers (such as plywood)
- Laminated plastics and man-made laminates
- Thin-walled solids containers
- Bobbins of fabric, thread, and paper
- Concrete, mortar, and other building materials

#### *Simple Operation*

1. Select the calibration (if applicable).
2. Select the penetration depth.
3. Place the HI500 on the surface to be tested.
4. Tests are easily repeatable •••• just lift the HI500 and place it back on the same (or different) location on the sample.

#### *Additional Moisture Testing Devices*

We offer a complete line of testing machines for moisture assessment. We manufacture primary methods, such as moisture balances and secondary methods, such as near-infrared spectrophotometers, di-electric have desktop units to determine static and dynamic friction, fluctuations in frictional resistance due to abrasion, evaluation of film adhesion, surface scratch hardness, surface stickiness, tensile strength, and peeling resistance.

**1-800-GET-KETT**  
**1-800-438-5388**

#### *Tomorrow's Testing, Today!*

Kett offers a complete line of innovative measurement devices — for laboratory, field, and commercial applications. If your company needs fast, accurate measurements, please call Kett!

## Specifications

Model	HI520
Measurement Range	2 - 150%
Accuracy	+/- .5% +/- 1% (over 20%)
Calibrations	
Concrete	Y
Lightweight Conc.	Y
Mortar	Y
User	Y
Functions	
Alarm	Y
Thickness Adj.	Y
Spec. Gravity Adj.	Y
Temp. Adjustment	Y
PowerSaver	Y
Limit Detector	Y
Batteries	1 - 9v
Dimensions (mm)	110Hx56Wx130D
Weight (Net / Shipment)	4 / 5 lbs.
Warranty	All Kett HI500 Moisture Meters are covered by a three-year manufacturer's warranty on parts and labor.

#### *Quality*

We stand behind the durability and quality of our entire line of KETT moisture meters. The HI500 offers a full **Three-Year** Manufacturer's warranty. We will repair the product or replace it for three years should it fail to perform to specifications during normal wear and tear.

Kett's dependable quality allows you to productively focus on improving your product's quality, not waste time calibrating and verifying our gauges.

When your quality is on the line, get on the line to KETT!



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**Sales, Support, Service**