

# Instant Concrete and Mortar Moisture Meter



Model HI520-2



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

# Advanced Concrete, Mortar, Drywall, Moisture Meter

## Instantly Measure Moisture

This simple-to-use instrument provides instant, non-destructive moisture content measurement in concrete, mortar, gypsum/drywall and other solids. The HI520-2 builds on our 70+ years of success with moisture testers, updating our HI520 with numerous new features and enhancements. The HI520-2 tester includes 6 factory calibrations and 8 factory calibrations, allowing you to measure a huge array of products with one compact, battery-powered, handheld portable moisture meter. The ability to obtain fast, accurate moisture values in a portable unit is a great assistance on construction sites for water proofing, interior finishing and painting as well as quality control applications within manufacturing operations.

## Simple Operation/Unsurpassed Portability and Flexibility

Anyone can get laboratory-quality measurements - in any environment.



- Turn on the HI520
- Select the Product Calibration
- Point it into the air
- Press it against the sample
- Moisture is immediately displayed

The large integrated backlit display allows the user to even measure in the dark - very helpful within construction projects. A high value alarm function makes it simple to test many items or locations and determine out of specification conditions, without even seeing the display. Large buttons and icons, audible alarms and confirming sounds help operators have confidence in their measurements and procedures even in the most stressful environments.

## Custom Product Calibrations

Users can program up to 8 custom unique calibrations giving the HI520-2 even more versatility. Calibration and raw measurement data can be downloaded to a computer with use of the optional HDL-01 software.

## Outstanding Measurement Stability

Measurements are made using The HI520-2 uses high-frequency capacitance, comparing the di-electric constant of the solid with water. A direct relationship exists between this value and moisture content. Automatic temperature compensation assists with measurement accuracy. Two "raw" modes allow the user to calibrate for either deep samples or shallow samples.

		Temperature Compensation	Hold	Thick Board Selection	Data save/ Output	Measurement Range
Normal Functions	LWC (ALA)	O	O	-	-	0-23%
	Gypsum	O	O	O	-	0-50%
	Concrete	O	O	-	-	0-12%
	ALC	O	O	-	-	0-100%
	Mortar	O	O	-	-	0-15%
	CSB	O	O	O	-	0-15%
	D mode	-	O	-	-	0-1999
Others	S & D Mode	-	O	-	O	0-1100
	User Cal	-	O	-	O / O	0-100%

## Specifications

Model	HI520-2
Measurement Principle	High-frequency Capacitance (20MHz)
Measurement Range	Moisture - 1-40% Product Dependent
Product Calibrations	See Table
Response Time	Instant
Accuracy	+/- 0.5% (under 20%)
Resolution	0.1%
Display	Product, Value
Ambient Temperature	0-40°C
Ambient Humidity	0-85% RH (non-condensing)
Features	Automatic temperature compensation, alarm, backlit display, hold, 8 user calibrations, carrying case.
Display Type	Backlit LCD
Communications	RS232C
Power	9V Battery, 350mW
Weight (kg) (Net/Shipment)	.4/1
Dimensions (mm)	72(W)x118(H)x146(D)
Options	HDL-01 software and cable
Warranty	One Year Parts and Labor Maintenance Agreements available

## Tomorrow's Testing, Today!

In addition to our unique HI520, Kett manufactures almost 200 different instruments. Available for portable handheld, laboratory desktop or online process applications, if you have a measurement requirement, we offer solutions....today! If you need to measure organic constituents - - accurately, quickly, and simply, wish to place an order, or require additional guidance on model selection, please call Kett toll-free!

# 1-800-GET-KETT



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