

INFRARED MOISTURE BALANCE

Model FD610



SCIENCE OF SENSING



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

Infrared Moisture Balance

Price Meets Efficiency

The FD610 moisture balance provides the user with cost-effective moisture measurements in a small footprint that anyone can use. Utilizing the same infrared heating lamp technology Kett has used for over 50 years in our line of moisture balances, the FD610 includes auto-taring, 0.1% accuracy and multiple drying programs to help automate the measurement of your products.

This simple-to-use device allows the user to quickly and accurately measure the moisture content in any liquid or solid. Using the standard principle of loss on drying, the FD610 automatically weighs a sample, dries it, measures the weight loss due to drying and calculates the moisture (or solid) content of the product. Kett Moisture Balances are ideal for chemicals, pharmaceuticals, foods, pulp/paper products, polymers and most products. Tests can be conducted by personnel of any skill level and the FD610 can be used both at-line and in the laboratory.

Simple Operation Yet Extremely Versatile

To operate, simply set the time and temperature for the test, place the sample into the heating tray, close the lid and press **Start**. The test will run to completion, and the moisture content will be automatically shown on the large LC Display. The FD610 can be set to timed mode or one of the two automatic measurement modes. In automatic mode, the instrument will complete the test when the sample loses less than 0.1% moisture over 1 or 2 minutes respectively. Data can be output to optional printers or PC's for full traceability.

Designed for Years of Stable Use

The traditional infrared heating element lasts for hundreds to thousands of tests, helping minimize ongoing supply costs. An extra lamp is included as well as an extra weigh pan. By utilizing both pans, operators can improve throughput since they don't have to wait for the original pan to cool before conducting a second test.. The patented Kett internal auto-taring system systematically checks and adjusts the balance during testing to ensure that each test is accurately measured, even when conducted over long periods (up to 90 minutes). Integrated temperature compensation, sealed membrane keypad, and simple operation all combine to provide years of service from the FD610. Kett stands behind the FD610 with a full **Three-Year** manufacturer's warranty on parts and labor. Kett's dependability and reliability allow you to productively focus on improving your product's quality and not waste time calibrating and verifying our gauges.

Accessories

Numerous optional accessories are available for the FD610. Disposable aluminum weigh pans, dispersion sand for liquid testing, calibration weight standards and temperature calibrator, sample grinder, output cables for PC/Printer connection, and a thermal printer provide the user with a solution for any moisture testing project.

Full Line of Moisture Testing Instruments

Manufacturing over 100 moisture analyzers, Kett can provide a solution for any moisture/composition measurement application. If you need to measure product composition, wish to place an order, or require additional guidance on model selection, please call Kett toll-free!

Tomorrow's Testing, Today!

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



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Sales, Support, Service

Specifications

Model	FD610
Measurement Range	0-100% WB 0-100% Solids
Minimum Indication	0.1% or 5mg
Accuracy	+/- 0.1%
Display	Moisture/Solid Weight Measurement Time Temperature
Drying Time	Up to 90 minutes
Measurement Weight	5-70g
Sample Weigh Pan	95mm Dia., 10mm Deep
Temperature Range	65-195°C
Power Source	100-240VAC (50/60Hz)
Power Consumption	187W max
Measuring Principle	Drying by Heat Loss of Weight (LOD)
Heat Source	185W IR Lamp
Display	Backlit LCD
Output	RS232C - Printer/PC
Measurement Modes	Timed and Two Automatic Modes - Wet Base Moisture or Solid Content
Ambient Temperature	5-40°C
Ambient Humidity	0-85% non-condensing
Accessories Included	2 Lamps, 2 Weigh Pans, Extra Fuse, 20 Pan Liners, Spoon Set, Sample Pincer, Dust Cover
Weight Net/Ship	3/6 Kg
Dimensions (mm)	210Wx320Dx318H
Warranty	Three Year Parts and Labor Post warranty maintenance agreements available.

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