

INFRARED MOISTURE DETERMINATION BALANCE



SCIENCE OF SENSING

Model FD240

NEW



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

FD240 Moisture Determination Balance

When Only the Best is Required!

This device makes it possible to display moisture to 0.01%, the most precise data available in an infrared moisture balance. The FD-240 uses Kett's latest technologies to provide highly repeatable performance, nearing the theoretical limits of loss-on-drying (LOD) capabilities.

A newly designed analytical balance, capable of measurements to 1 mg, has been coupled with a custom-designed heating chamber. In general, drying chambers tend to cause convection currents when drying at high speed. This temperature gradient can affect balance mechanisms. Sophisticated compensation routines are often necessary to offset these effects. Another alternative is to utilize large, cumbersome enclosures to isolate the chamber from the balance mechanism. The FD240's elegant design provides a compact device while our software provides further assurance that balance mechanisms will be adjusted (if needed) for any residual temperature compensation.

Additional Features

The FD240 displays moisture values, weights, and drying time on the large LCD screen. Three measurement modes provide versatility in your drying process. Our unique predictive drying mode allows drying times to be reduced in half (or more) based on repeatable drying patterns. Ten test sequences can be programmed into the unit and retained for future testing. The large 130mm diameter plate allows for samples of 1-300 grams to be accurately dried and measured. The RS232 interface allows for connection to PC or optional thermal printer. This provides total documentation of the drying process and test results. The large 400W heat lamp provides quick drying while minimizing sample scorching with generally occurs with ceramic and halogen element dryers.

Additional Moisture Measurement Devices

Kett offers a complete line of testing equipment for moisture measurement. These systems range from portable field instruments to process instrumentation for continuous, nondestructive measurement and integrated process control

If you need to measure moisture or other product components, wish to place an order, or if you require additional guidance on model selection, please call toll-free!

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	FD240
Measurement Range	0-100% WB 0-500% DB
Minimum Indication	.01% or 1mg
Display	Moisture Weight Measurement Time Temperature
Drying Time	1-990 Minutes
Temperature Range	50-200 +/- 1C
Power Source	AC100V
Measuring Principle	Drying by Heat Loss of Weight (LOD)
Heat Source	400W Infrared Lamp
Display	LCD Digital
Output	RS232C - Printer/PC
Measurement Modes	Timed/Continuous Automatic/Predictive
Weight	13lbs.
Dimensions (mm)	331Hx194Wx319D

Quality

We stand behind the durability and quality of our entire line of Kett Moisture Balances. The FD240 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!



17853 Santiago Boulevard, Ste. 107-504
Villa Park, CA 92861
714-630-5169 • 714-630-5105 (FAX)
www.Kett.com

1-800-438-5388
Sales, Support, Service