

Measurement Method	Heat drying and weight loss
Sample mass	0.5~120g
Measurement subject	Moisture / Solid content / Weight
Reproducibility	Sample with a weight of 5g or higher : 0.05%
(Standard deviation)	Sample with a weight of 10g or higher : 0.02%
Measurement range	0~100%(wet base, solids),0~500%(dry base)
Resolution	0.01%, 1mg
Temperature range	30~180°C
Measurement modes	Automatic operation mode:Timed operation mod (1-240min or continuous):High-speed drying mode:Low speed drying mode:Stepped drying mode (max of steps):Predictive measuring mode
External output	RS-232C interface
	Temperature 5~40°C , Humidity : max of 85%RH
	Pollution degree 2, Altitude up to 2000m
Sample dish	SUS sample dish(130mm dia, 13mm depth)
Heat source	Mid-wave infrared guartz heater (200Wx2)
Power supply	AC100~120V / 220~240V (50/60Hz)
Power consumption	max 900W
Size and Weight	220(W)x415(D)x190(H), 4.5Kg, Shipment 10Kg
Accessories	Sample dish 2 pcs , Sample dish handler 2 pcs , Win
	shield , Sample dish tray , Spoon and spatula set , Spar
	fuses(T8A 250V) 2 pcs , Power cord , Aluminum sheets(2
	pcs)x2 , Operating manual
Options	Printer set(Printer VZ-330), Data logger software(KDL-01

*The contents of this catalog are subject to change without notice.

Appropriate samples

Samples from which moisture or other components vaporize and cause no hazardous reaction under heating

⚠ Safety Notes

Read the manual thoroughly prior to use.

 Do not measure samples that may cause hazardous chemical reactions when heated. Take care when handling the hot instrument.

Electronic printer VZ-330

KETT ELECTRIC LABORATORY

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Contact us through the above address or access our URL. http://www.kett.co.jp/Email: sales@kett.co.jp
This product is subjected to change without notice. The color of the instrument may look different on this brochure.



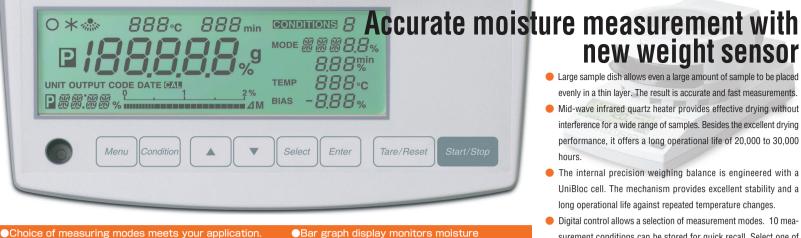


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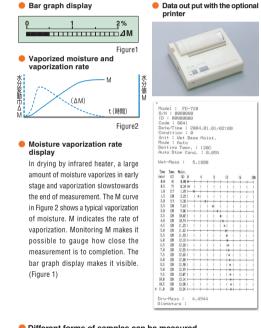
FD-720 can change the moisture display from normal 0.1% to high accuracy 0.01% resolution. To realize its high accuracy, the 1mg resolution balance unit is installed. The heater source is newly developed, a large 625watts Mid-wave infrared quartz heater controlled by the software for the drying process. It has "High-speed drving mode" that can reduce much of the measurement time for suitable sample materials. 10 measurement conditions can be saved in the instrument memory so that you don't have to enter the condition manually every time for each sample. The optional data logger software enables the data transfer linked with PC. The optional printer VZ-330 prints out the measurement result in a graph or numerical format. FD-720 is designed for all quality control and testing divisions where the most accurate moisture measure-





Automatic operation mode ▲変動巾(%) Automatically ends measurementwhen moisture loss over the previous 30 seconds becomes smaller than (時間 specified percentage 自動停止 Timed operation mode Automatically ends measurement when the specified amount of time has elapsed. (設定時間) 停止設定時間 High-speed drying mode First dries with the highest temperature for the specified period, then shifts to the specified (時間 temperature shortening measurement time. **乾燥傷止** Low-speed drying mode Gently heats samples that might solidify at the surface or samples that reduce under high Stepped drying mode Allows step by step change of drving conditions This feature is useful when measuring samples that contain a large amount of water. Predictive measuring mode With preparatory measurements of the sample. the final result is predicted from the drying process, saving time in repeated measurements. †1 (予測時間)

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•Bar graph display monitors moisture

Different forms of samples can be measured.

Most samples which vaporize only moisture and cause no hazardous reaction under heating can be measured

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Various materials can be measured.



Other foods Chemical resi

new weight sensor

- Large sample dish allows even a large amount of sample to be placed evenly in a thin layer. The result is accurate and fast measurements
- Mid-wave infrared quartz heater provides effective drving without interference for a wide range of samples. Besides the excellent drying performance, it offers a long operational life of 20,000 to 30,000 hours.
- The internal precision weighing balance is engineered with a UniBloc cell. The mechanism provides excellent stability and a long operational life against repeated temperature changes.
- Digital control allows a selection of measurement modes. 10 measurement conditions can be stored for quick recall. Select one of the 9 combinations of drying and halting modes to optimize the measurement of your sample.
- Weight loss rate in the previous thirty seconds is monitored and visually presented in the bar graph display. This feature is especially useful to show that the measurement is close to completion.
- Optional Kett's unique data logger software "KDL-01" can transfer measurement data to an application such as Excel.
- A larger sample dish contributes to accurate measurements, but the larger heat capacity normally produces larger zero drift due to temperature fluctuation. The FD-720 is equipped with a unique auto-taring mechanism, which adjusts the zero drift automatically and ensures high accuracy, even with a larger sample pan.
- Bias function allows adjustment to the data obtained by other measuring methods or other testers.
- Large backlit LCD is easily read even under poor lighting conditions.

Meets demands of various industries and fields

 Pharmaceuticals, agriculture, food processing, textiles, chemicals, fertilizer, paper, construction



