

FD-660 is good for Humans and Environment



New model FD-660

This unit determines the moisture and solid contents of samples by heating them using infrared illumination and measuring changes in mass due to evaporation. This is referred to as the loss on drying method and is the simplest method for determining moisture content and thus mandated by many public regulations related to measurement standards.

• Easy to use with LED screen

Simple operating by lighting or blinking on integrated LED screen.



[Tare/Reset] key is lit :

This is the initial display. The left green LED is lit. The balance section automatically starts the zero adjustment after pressing the Tare key.



[Start/Stop] key is lit :

Press the lit orange LED on the right side and the unit will start the measurement.



[Start/Stop] key is blinking :

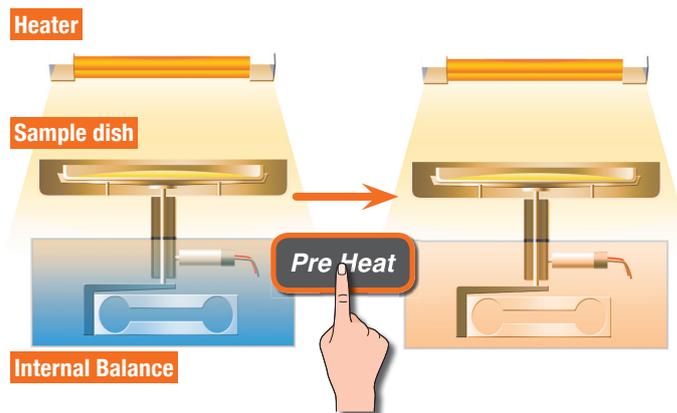
The unit is operating while the lit orange LED is blinking. The unit will be stopped after pressing it.

• Organic carbon heater

An organic carbon heater is used for the heat source. This heater emits infrared rays that are more than 2 times stronger than a halogen lamp in the wavelength range (2.5 to 3µm) in which moisture reacts with heat. This feature provides extremely efficient drying. It is approximately 4 times the life of heater a comparable conventional infrared lamp. In addition, it is better for the environment as polluting halides and metals are not used.

• Pre Heat mode / Auto tare mechanism

This product is equipped with a Pre Heat mode to eliminate measurement error occurring immediately after turning on the power or when the temperature inside the measuring instrument is not stable. Auto tare is also incorporated in the FD-660. This feature allows for measurements while performing a zero point calibration, and therefore, scale drift is eliminated even when a test is performed over a long period of time. This feature allows for reliable measurement.



The specifications or the unit images are subject to change without notice.

Specifications

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| Measurement method | Detection of weight loss by heating & drying |
| Sample weight | 1 - 80g (as an optional weight sampling) |
| Minimum displayable units | Moisture content (solids): 0.1% or 0.01% (selectable), Weight: 0.005g |
| Measurable quantities | Moisture content (wet base & dry base), weight, solid content |
| Measurement range | 0 - 100% (wet base, solids) / 0 - 500% (dry base) |
| Reproducibility (Standard deviation) | 0.1% with samples of 5g or more (When using standard samples and measuring settings as determined by Kett) |
| Measurement Mode | Automatic mode, Timed mode (1 - 120 min.) |
| Temperature setting range | 30 to 180°C (in steps of 1°C) |
| Display | Backlit LCD screen (96 x 40mm) |
| External output | RS-232C interface |
| Communications | Data output from "the data logger software FDL-02" (option) |
| Storage of measurement settings | 5 types |

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| Temperature / humidity operating range | 5 to 40°C, 85% RH or less (no condensation) |
| Heat source | Organic carbon heater (280 W x 2) |
| Temperature sensor | Thermistor |
| Power supply | AC100 - 120V / 220 - 240V AC (50/60Hz) |
| Power consumption | Max. 600 W |
| Dimensions and weight | 222 (W) x 360 (D) x 196 (H) mm, 3.2 kg |
| Sample dish | Stainless steel (110 mm in diameter, 11 mm in depth) |
| Accessories | 2 sample dishes, sample dish handler, wind shield, sample dish tray, spoon, 2 spare fuses, package of aluminium foil sheets (10 per package), power cord, 3P-2P plug adapter, operating manual |
| Options: | Printer set (includes a VZ-330 printer, a printer interface cable (VZC-14), printer paper, and an AC adapter), printer paper (10 rolls), package of aluminium foil sheets (500 sheets), RS-232C cable, Data Logger software FDL-02, Sample crusher TQ-100, Deodorizing windshield case FW-100 |