



# Moisture Balance

Model : SDMD83

Our SDMD83 moisture balances provide a rapid and accurate method for analysing the moisture content and dry weight of a wide range of products and materials. The new organic-carbon heater delivers exceptional performance of drying time and repeatability.

## FEATURES

SDMD83

- extended 5 year warranty
- very simple structure ensures the balance is easy to clean and maintain if any liquid/powder samples are spilled
- organic-carbon heater delivers strong heat and longevity
- RS232 allows peripheral devices to be connected easily
- strong heat for fast drying time and high repeatability
- red alert signal whilst drying makes it very easy to see when the process is complete
- large, clear LCD display
- includes; sample pan x 2, sample pan handler, windshield, sample panbase, spoon and spatula set, sample aluminium sheet x 10, power cord 3P-2P plug, operation manual

## OPTIONS

- printer (order code VZ-330)
- deodorizing windshield (order code FW-100)
- sample crusher (order code SDTQ-100)
- aluminium dish 94 mm - box of 80 (order code WI0046)

Refer to page 2 for specifications



Specifications may change without notice

VARIATIONS & SPECIFICATIONS

Model Number	SDMD83
Capacity	80 g
Readability (d)	0.005 g
Pan Size (mm)	110 diameter x 11 deep
Overall Dimensions (mm)	222 (W) x 360 (D) x 196 (H)
Repeatability (sd)	With 5 g sample, 0.1% (0.005 g)
Non-Linearity (typ)	± 0.005 g
Stabilization time (typ)	5 seconds
Tare Range	Full
Draught Shield	Yes
Calibration	External
Printer Output	Yes
Comparator Function	Yes
Below Balance Weighing	No
Checkweighing Function	No
Counting Function	No
Percentage Function	Yes
Statistics Function	Yes
Density Determination	No
Moisture Analysis	Yes
Communication Protocol	RS232C
Operating Temperature	5°C to 40°C
Power	AC 220-240 V
Power Consumption	Max 900W
Environment Suitability	Dust Free Dry Ambient Temperature
Ingress Protection	No
Weight	3.2 kg
<b>MOISTURE SPECIFICATIONS</b>	
Measurement Format	Evaporation weight loss method
Readability Moisture Content	0.01% / 0.1% *1
Minimum Sample Weight	1 g
Repeatability with 5g sample	0.1% *2
Measurement Range	0-100% (wet base, solids) 0-500% (dry base)
Measurement Mode	Automatic operation mode. Timed operation mode.
Temperature Range	30 - 180 deg C
Increment in Temperature	1 deg C
Storage of Measurement Conditions	5
Heat Source	Organic carbon heater (280W×2)

\*1 0.01% unit is displayable only

\*2 standard deviation

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