

# MECHANICAL INFRARED MOISTURE BALANCE

Model CS10



SCIENCE OF SENSING



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

# Mechanical Moisture Balance

## Price Meets Efficiency

The CS10 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 CS10 includes a mechanical balance mechanism, yet provides 0.2% accuracy.

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 CS10 weighs the sample (1-5g), dries it, measures the weight loss due to drying and display the moisture 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 CS10 can be used both at-line and in the laboratory. Because of the mechanical balance mechanism, it is specifically used in very unstable environments, such as vibrating process lines, ships at sea and other moving or vibrating circumstances.

## Simple Operation Yet Extremely Versatile

To operate, place one of the included weights in the weigh pan and a corresponding sample in the sample pan. Adjust the lamp height to provide the temperature you wish to use and turn on the instrument. The test will run until stopped. Adjust the indicating dial so that the balance is again level and the moisture value of the sample will be shown on the indicator.

## 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. A lifter for the hot weigh pans and thermometer to help with initial drying settings are included so that you have everything needed to immediately start testing. These tools, the solid construction of the instrument and simple operation all combine to provide years of service from the CS10. Kett's F1 and F2 Moisture balances are still working 40 years after they were manufactured. The CS10 continues this tradition of simple, accurate, durable moisture testers. Kett stands behind the CS10 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.

## 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

<b>Model</b>	<b>CS10</b>
<b>Measurement Range</b>	0-100% WB
<b>Minimum Indication</b>	0.2%
<b>Accuracy</b>	+/- 0.2% (0-20% range)
<b>Display</b>	%
<b>Drying Time</b>	Unlimited
<b>Measurement Weight</b>	1-5g
<b>Sample Weigh Pan</b>	75mm Dia., 10mm Deep
<b>Temperature Range</b>	Up to 195°C
<b>Power Source</b>	110 or 220VAC (50/60Hz)
<b>Power Consumption</b>	187W max
<b>Measuring Principle</b>	Drying by Heat Loss of Weight (LOD)
<b>Heat Source</b>	185W IR Lamp
<b>Display</b>	Analog Balance
<b>Output</b>	N/A
<b>Measurement Modes</b>	Continuous
<b>Ambient Temperature</b>	5-40°C
<b>Ambient Humidity</b>	0-85% non-condensing
<b>Accessories Included</b>	2 Lamps, 2 Weigh Pans, Pan Lifter, Spoon Set, Sample Pincer, Counter weights
<b>Weight Net/Ship</b>	3/5 Kg
<b>Dimensions (mm)</b>	270Wx130Dx360H
<b>Warranty</b>	Three Year Parts and Labor Post warranty maintenance agreements available.

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