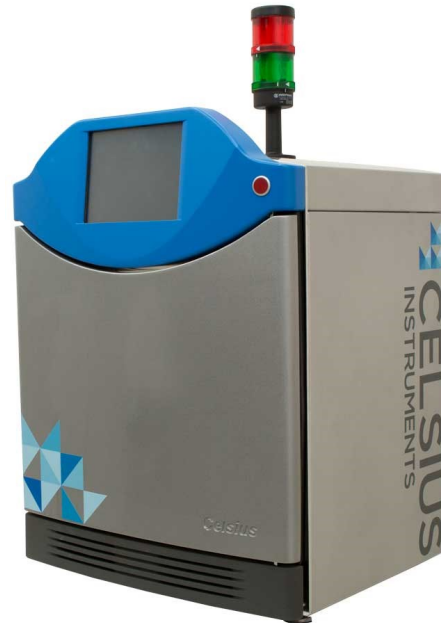




# Celsius - Midi

## Non-destructive Temperature Measurement System



### PRODUCT DESCRIPTION

Molins Langen presents the Celsius Midi measurement system offering a fast, accurate method for non-destructive and non-invasive temperature measurement of a wide variety of food products. By measuring the temperature of products without breaking the outer packaging or the product itself, the Celsius Midi drastically reduces waste and increases throughput and profit.

The measurements are performed using microwave thermometry which measures the equilibrium temperature rather than the surface or core temperature. This produces fast, consistent and accurate readings because the temperature measurement is not reliant on the positioning of a temperature probe.

Celsius is not an alternative but the new standard offering superior quality assurance. Celsius does not miss hot or cold spots as it takes into account the entire product, giving the “desired” equilibrium temperature. Increased production efficiency: Celsius offers the quickest results available to the industry, with minimum operator skill.

Considerable savings: Celsius offers impressive paybacks, with savings made due to the removal of product wastage, packaging, replacement probes and rejected product.

The Celsius Midi provides reliable, repeatable and robust measurements in a fast, simple and effective way.

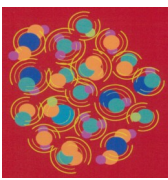


### FEATURES

- Simple operation:  
Open door, place product, close door, read temperature
- Non-destructive temperature measurement  
No damage to packing or product thus reducing waste
- Mean temperature measurement—provides more confidence than probes or infra-red devices
- CSV file stored on the device for historical data retrieval
- Set up of up to 99 SKUs and limits identified from barcodes
- Set up of machine users via administrator
- Intuitive user Interface via 8.5” touchscreen
- Optional USB bar-code scanner  
Operator and product data filed entry reduces errors
- Optional status alarm beacon  
Indicates out of tolerance measurement results



## TECHNICAL SPECIFICATION

Electrical requirements:	110 V / 60 Hz    240 V / 50 Hz
Ambient operating temperature:	5°C to 40°C (-23 to 104°F)
Operating humidity:	40 to 90% RH non-condensing
External dimensions: (HxWxD)	700 mm x 520 mm x 440 mm (approx.)
Weight:	~64 kg
Product temperature range:	0°C to 30°C (32°F to 86°F)    Chilled & ambient -25°C to -5°C (-13 to 23°F)    Frozen -30°C to -25°C (-22°F to -13°F) Extended Frozen
Product accuracy: (using reference liquids under laboratory conditions)	± 0.5°C (chilled & ambient) ± 1.5°C (Frozen) ± 2.0°C (Extended Frozen)
Maximum product size: (HxWxD)	360 mm x 360 mm x 300 mm
Data interfaces:	Ethernet, USB
Operator display:	8.5" Full colour Touch screen
Controls:	8.5" resistive touch-screen colour user interface Power on/off Door opening button

		
All organic matter naturally emits thermal radiation, generated by random movement of molecules	Celsius detects these thermal signals and uses them to calculate the average temperature	The process is non-invasive, eliminating product wastage and reducing cost

## OPTIONS

USB Barcode Reader    Stock code: 91556  
 Beacon Alarm System    Stock code: 91557  
 Molins Langen recommend the use of a suitable reference material for verification of the device

## TO ORDER Please contact your Molins Sales Manager for further details

Celsius Midi (110 V)    Stock code: 99250  
 Celsius Midi (230 V)    Stock code: 99926  
 USB Barcode Reader    Stock code: 91556  
 Beacon    Stock code: 91557

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