



Celsius - Maxi

Non-destructive Temperature Measurement System



PRODUCT DESCRIPTION

The Celsius Maxi measurement system offers a fast, accurate method for non-destructive and non-invasive temperature measurement of a wide variety of food products. By measuring the temperature of product without penetrating the outer packaging or the product itself, the Celsius Maxi drastically reduces waste and increasing throughput and profit.

The measurements are performed using microwave thermometry technology 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 is proven to be the most accurate measurement available. Celsius will 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 Maxi provides reliable, repeatable and robust measurements in a fast, simple and effective way.

FEATURES

- Non-destructive and non-invasive measurement
No damage to packing or product reducing waste
- Built-in intuitive user Interface
Via 8.5” colour resistive touchscreen
- Electronic record keeping
CSV stored on the device for historical retrieval
- More accurate than probe or infra-red devices
Mean temperature measurement
- Increases detection of hot or cold spots on product
- Simple error-free operation
Open door, place product, close door, start measurement
- Optional USB bar-code scanner
Operator and product data filed entry reduces errors
- Optional status alarm beacon
Indicates out of tolerance measurement results

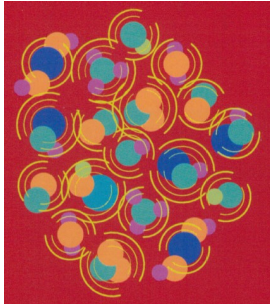


APPLICATIONS

- Packaged and unpackaged food
- Mid-line sampling
- End-of-line sampling



TECHNICAL SPECIFICATION

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|---|---|
| Electrical requirements: | 110V / 60Hz 240V / 50Hz |
| Ambient operating temperature: | -5 to 40°C (-23 to 104°F) |
| Operating humidity: | 40 to 90% RH non-condensing |
| External dimensions: (HxWxD) | 800 mm x 680 mm x 500 mm (approx.) |
| Weight: | ~135kg |
| Product temperature range: | -5 to 30°C (Chilled produce) (23 to 86°F) -30 to -5°C (Frozen produce) (-22 to 23°F) |
| Product accuracy: <small>(using reference liquids under laboratory conditions)</small> | ± 0.5°C (0.9°F) (chilled range) ± 1.0°C (1.8°F) (frozen range) |
| Maximum product size: (HxWxD) | 490 mm x 540 mm x 490 mm (approx.) |
| Data interfaces: | USB for optional barcode reader |
| Operator display: | 8.5" Full colour Touch screen |
| Controls: | 8.5" resistive touch-screen colour user interface Power on/off Closure handle |

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| 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 |

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OPTIONS

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|--|-------------------|
| <i>USB Barcode Reader</i> | Stock code: 91556 |
| <i>Beacon Alarm System</i> | Stock code: 91557 |
| <i>Celsius Instruments recommend the use of a suitable reference material for verification / calibrate of the device</i> | |

TO ORDER

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|---------------------|-------------------|
| Celsius Maxi (110V) | Stock code: 99251 |
| Celsius Maxi (230V) | Stock code: 99925 |
| Barcode Reader | Stock code: 91556 |
| Beacon | Stock code: 91557 |



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