

Midi 40™

Small Capacity CO₂ Incubator

Just the right size for your applications – and your bench top

The Thermo Scientific Midi 40 CO₂ incubator is designed specifically for cell culture scientists who require a compact culturing workspace to handle small workloads, perform personal use applications, or simply address limited space environments.

With its 1.4 cu ft (40 L) capacity, the Midi 40 adds a new dimension to the Thermo Scientific portfolio of leading CO₂ incubation solutions. It delivers the performance and capabilities of full-sized incubators in a space-saving footprint, ideal for those who wish to avoid shared-use environments that can present potential contamination risk through unnecessary sample handling and repeated door openings.



▶ **Easy to operate and economical to own, the fully featured Midi 40 offers remarkable value in a small footprint.**

The Midi 40 includes:

Advanced IntrLogic™ II microprocessor: bright digital display and intuitive touchpad for simplified entry of temperature, CO₂ and alarm data, with keyed setpoint switch to prevent unauthorized changes to your operating parameters.

Stainless steel culture chamber: seamless, non-corrosive and exceptionally easy to clean. The Midi 40 is provided with four removable shelves.

Highly efficient direct heating design: provides even heat distribution to all sides of the chamber, for accurate control and uniformity.

Precise and reliable CO₂ control: featuring accurate thermal conductivity sensor located directly in the chamber, ensuring responsive control and long service life.

Removable water reservoir: generates relative humidity values up to 95% with rapid recovery rates that promote optimal cell growth.

Tempered inner glass door: provides sample security while preventing unwanted condensation.

Convenient data communication: RS-485 signal output is standard, in addition to audible and visual alarm functions to ensure proper operations.

Thermo Scientific Midi 40 Small Capacity CO₂ Incubator



| Technical Specifications | | |
|----------------------------------|---|----------------|
| Dimensions | | |
| Exterior (w x h x d) inch/cm | 18.5 x 18 x 23.5 (47 x 46.5 x 59.7) | |
| Interior (w x h x d) inch/cm | 12 x 14 x 14 (30.5 x 35.5 x 35.5) | |
| Construction | | |
| Cabinet configuration | bench top | |
| Interior | non-corrosive stainless steel, type 304, mirror finish | |
| Interior volume | 1.4 cubic feet (39.6 L) | |
| Exterior | 18 gauge, cold rolled steel, high impact painted finish | |
| Shelves | | |
| Construction | stainless steel, perforated | |
| Shelf dimensions (w x d) inch/cm | 13.5" x 11.5" (34.3 x 29.2) | |
| Surface area per shelf | 1.08 sq. ft. (0.1 sq m) | |
| Temperature | | |
| Range | 5°C above ambient to 60°C | |
| Control accuracy | ± 0.1°C | |
| Uniformity | ± 0.5°C @ 37°C | |
| Alarm | user programmable high/low | |
| CO₂ | | |
| Range | 0-20% | |
| Control accuracy | ± 0.1% | |
| Sensor | long life thermal conductivity sensor | |
| Uniformity | 0.10% | |
| Inlet pressure required | 15 PSIG (1.0 bar), 99.5 medical grade CO ₂ | |
| Inlet air filtration | 0.3 micron antimicrobial filter | |
| Alarm | user programmable high/low | |
| Humidity | | |
| rH | to 95% @ 37°C | |
| Source | humidity pan, removable | |
| Electrical | | |
| Rated voltage | 120V, 60 Hz | 230V, 50/60 Hz |
| Amps/breaker | 1.5/15 | 1.0/15 |
| Weight | | |
| Net | 60 lbs (27 kg) | |
| Shipping | 70 lbs (32 kg) | |
| Warranty | 1 year | |

All specifications subject to change without notice.

| Ordering Information | |
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| Cat. No. | Description |
| 3403 | Thermo Scientific Midi 40 Small Capacity CO ₂ Incubator, 120 V, 60 Hz |
| 3404 | Thermo Scientific Midi 40 Small capacity CO ₂ Incubator, 230V, 50/60 Hz |



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