

Transportable incubator

The TRANS INC Transportable incubator is designed to transport biological samples at 37°C.

The equipment is ideal for applications requiring portable temperature control within the range (ambient +5°C) to 45°C.

Simply plug the incubator into the mains electrical power supply with the detachable mains lead supplied, set the temperature you require and allow the unit to heat up. The standard temperature for most applications is 37°C; it takes about sixty minutes for the unit to reach 37°C. Once the required temperature has been reached, and the incubator is disconnected from the mains power supply, the internal battery power will maintain the temperature for several hours. A temperature of 37°C will be maintained for up to five hours in an ambient of 20°C with a fully charged battery. It is ideal for use in transport applications, where samples need to be transported in a temperature controlled environment. A lead for connection to a vehicle cigar lighter socket is supplied, allowing transportation over longer timescales, if this is required.

Convenient and efficient

- dry heating ensures a clean environment, with less chance of contamination
- easily carried and spill-proof - ideal for carrying vessels from place to place
- designed to take up as little space as possible
- the Grant transportable incubator is robust and reliable, to stand up to everyday wear and tear

Ambient +5 to 45°C operation

Stability within the tube $\pm 0.1^\circ\text{C}$, uniformity $\pm 0.2^\circ\text{C}$

- precisely controlled conditions for consistent, long-term temperature control
- all samples undergo similar conditions

Digital setting and display

- ensure accuracy and reproducibility of set temperature, for precise repeatability of procedures
- constant display of the actual block temperature, for at-a-glance assurance that the equipment is functioning correctly

Interchangeable blocks

The standard block accommodates 16mm Falcon tubes, as follows:

Dimensions l/w/h	(mm)	140/65/75
Number of tubes	18	
Hole \varnothing	(mm)	16.5
Hole depth	(mm)	60

Alternatively you may request a special block to your own specification. Please specify the type of block you require.



Design features

- latching lid to keep the contents safe
- small for better portability
- comfortable carrying handle
- easy to clean case

Safety

- an overtemperature cut-out prevents the temperature reaching 50°C

Specification

Temperature range	°C	Ambient +5 to 45
Temperature display		Digital
Display resolution	°C	1
Stability in the tube	°C	± 0.1
Uniformity	°C	± 0.2
Heater power	W	25
Heating rate ambient to 37°C	mins	60
Heat retention ambient 20°C		
internal battery power 37°C	hrs	5
internal battery power 45°C	hrs	4
Ambient temperature	°C	10 to 30
External dimensions	(l/w/h)	mm 304/235/280
Weight	kg	9
Heating block (l/w/h)	mm	140/65/75
Electrical power 220-240V, 50Hz	W	48
Vehicle battery supply 12V DC	W	24
Internal battery supply 12V	AH	6.5
Overtemperature protection	prevents the temperature from exceeding 50°C	
Case	Stove-enamelled aluminium	

Grant

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Equipment safety

The Transportable incubator meets the requirements of IEC61010.

CE mark

The Transportable incubator bears a CE mark to indicate that it meets the requirements of the Low Voltage and EMC Directives.

After sales service

In the United Kingdom, repairs are normally carried out within two to five working days of arrival at our factory, or receipt of authorisation to repair. Alternatively, spare parts and service manuals can normally be despatched within two working days. Most distributors of Grant equipment outside the UK hold stocks of spare parts, have their own service engineers and operate a similarly prompt repair service.

One year guarantee

Grant equipment is robust and reliable, designed and built to provide years of trouble-free service. The Grant Transportable incubator is guaranteed for one year against faulty materials and workmanship.

As Grant Instruments is committed to a continuous programme of improvement, specifications may be changed without notice.