

Autoclave and Furnace

High Pressure Cement Autoclave

UTCM-0020

The UTCM-0020 High Pressure Cement Autoclave has been manufactured to execute expansion tests on cement specimens. The apparatus consists of a high pressure steam vessel with a 154 mm diameter and a height of 430 mm. It has been designed with the capacity to test 10 specimens at the same time.



The Autoclave consists of:

- Pressure gauge
- Pressure regulator
- Temperature regulator
- Control switches
- Safety valve
- Specimen rack - 10 samples capacity

UTCM-0033 Two Gang Shrinkage mould should be ordered separately.

Muffle Furnace

UTD-1462

The UTD-1462 Muffle Furnace is used for determining the loss on ignition and insoluble residue of cement and building lime.

The PID digital control system can be used to program the working temperature and time.



Technical Specifications

UTCM-0020

Dimensions	450x475x1080 mm
Weight (approx.)	55 kg
Power	2600 W

UTD-1462

Temperature Controller	PC 442/2
Max. Temperature	1200 °C
Max. Continuous Temperature	1150 °C
Temperature Deviation at Set Point	± 2°C
Heat Up Time to Max. Temperature	50. min
Internal Volume	5 L
Phase	1
Internal Dimensions (mm)	140x180x200
External Dimensions (mm)	650x550x580
Weight (approx.)	56 kg
Power	2000 W

About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

- NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing
- Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal
- Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers