

Soil Moisture Content

UTS-0150 Universal Moisture Tester (Carbide Meter)

The UTS-0150 Universal Moisture Tester (Carbide Meter) uses the calcium carbide method to determine the moisture content of soil. The soil sample is placed into the bottle with the reagent. The water reacts with the calcium carbide and develops a gas pressure, which is displayed on the manometer and easily converted into percentage of moisture.

The Universal Moisture Tester is supplied complete with;

- Carbide Ampoules, 20 pcs.
- Analog Manometer
- Digital Balance
- Hammer
- Chisel
- Digital Timer
- Metal Carrying Case
- Other Accessories



Hydrometer Test Set

UTS-0270

Hydrometer Test Set is used to measure the particle size distribution of very fine materials such as silt and clay. The hydrometer test method uses a soil dispersion mixer, which operates at over 13,000 r.p.m. The mixer comes supplied with a dispersion cup, stirring paddle, an automatic switch-on by positioning bowl and has a 100 W power consumption.

The Hydrometer Test Set is supplied complete with:

- Dispersion mixer
- Hydrometer bath
- Hydrometer, 151H, 1pcs.
- Sodium hex metaphosphate 1 kg,
- Sedimentation cylinder, 1000 ml, 6 pcs.
- Heater,
- Circulation unit
- Rubber stopper for sedimentation cylinder
- Beaker, 600 cc



Technical Specifications

UTS-0150

Sample Mass/Moisture Range (up to)	20 g/ 10% 50 g/ 4% 100 g/ 2%
Dimensions	520x350x150 mm
Weight	6kg
Balance	Spring Type

UTS-0270

Dimensions	330x630x450 mm
Weight	20kg

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.

Other Equipment

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