

### Product Code

**UTR-0564** Rock Schmidt Hammer, Type L  
**UTR-0565** Rock Cradle

### Standards

**ASTM D 5873; ISRM Suggested Method**

UTR-0564 Rock Schmidt Type L Hammer is the world's most advanced rebound hammer fully adapted specifically to the extremely varied rock testing applications (Testing on cores and blocks).

The Rock Schmidt incorporates statistical methods based on ASTM and ISRM recommendations and provides the user with the freedom to define his own statistical process for determining a rebound number.

### FEATURES

**Impact Angle Independence** The rebound value is independent of the impact direction.

**Optimized for Field Work:** Tighter sealing against dirt and dust intrusion for longer life. Significantly lighter and more ergonomic than the classic Schmidt hammer. A large number of readings can be saved and downloaded later to a PC.

**Preset Statistics:** Statistics methods recommended by ISRM and ASTM are implemented into the hammer for automatic calculation of the rebound number. The option is also there to define a user specific statistics method.

**Unconfined Compressive Strength:** ISRM recommends a correlation between UCS and the rebound value based on the formula  $UCS = aebR$  (where R is the rebound value). A correlation in this format may be defined in the PC software and downloaded onto the Rock Schmidt.

**E-Modulus:** ISRM recommends a correlation between elastic modulus and the rebound value based on the formula  $E_t = cedR$  (where R is the rebound value). A correlation in this format may be defined in the PC software and downloaded onto the Rock Schmidt.

**Weathering Grade:** Impacting on the same location twice can be used to correlate to weathering grade. The ISRM recommended method has been included in the device.



UTR-0564 Rock Schmidt Type L Hammer is supplied complete with;

- Battery Charger with USB Cable
- Carrying Strap
- Data carrier with software
- Grinding Stone
- Documentation
- Carrying Bag

### Technical Specifications

Impact Energy	0.735 Nm
Spring Extension	75 mm (2.95")
Plunger Radius	25 mm (0.98")
Display	17 x 71 pixels; graphic
Battery Lifetime	>5000 impacts between charges
Operating Temperature	0 to 50°C
Storage Temperature	-10 to 70°C

Product Code	Dimensions	Weight (approx.)
UTR-0564	55x55x255 mm	570 g
UTR-0565	250x250x470 mm	28 kg