



Product Code

UTS-0305.SMPR Automatic Soil Consolidation
Testing Machine, 110-230 V 50-60 Hz

Standards

BS 1377:5, ASTM D 2435, ASTM D 3877, ASTM D 4546, AASHTO
T 216, CEN ISO/TS 17892-5

Utest Automatic Soil Consolidation Testing Machine, UTS-0305.SMPR is used for determination of one-dimensional consolidation properties of soils using incremental loading and measurement of swelling potential of soils. Test machine comprises a rigid frame, electromechanical motor, optimized PID closed loop control system, U-Touch PRO high resolution touchscreen and a high precision load cell.

Advanced closed loop control system specially designed for UTS-0305.SMPR assures accurate loading and precise load control over a wide range of load increments. Machine can apply pre-defined loads for pre-defined intervals using U-Touch PRO control panel and perform one-dimensional consolidation tests in accordance with ASTM D 2435 Test Method A. Machine can display both axial strain vs log time and axial strain vs square root of time graphs real time on the U-Touch PRO touchscreen.

Utest Automatic Soil Consolidation Testing Machine is supplied with Usoft-0305, Utest Software for Soil Consolidation Tests. Using USOFT-0305 users can perform one-dimensional consolidation testing in accordance with ASTM D 2435 Method B. The software can automatically calculate end of primary consolidation (d_{100}) and coefficient of consolidation (c_v) and perform the test automatically. Using this method, the machine can perform consolidation tests quicker and in a more reliable way by eliminating the need for manual intervention thus reducing the risk of human error.

Test reports can be displayed on Usoft-0305 or exported to usb flashdrive in *.xls format for detailed analysis.

Consolidation cells and apparatus for sample preparation should be ordered separately.



Dimensions	330x400x740 mm
Weight (approx.)	49 kg