

Product Code

UTM-8020 Wide Test Space Electromechanical Universal Test Machine,
10 kN, 220-240V, 50-60Hz, 1 ph.

Standards

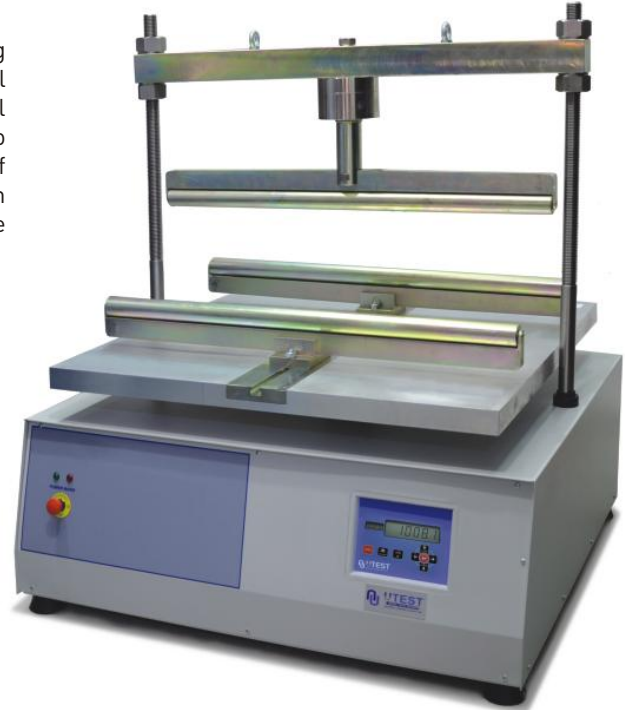
EN 10545-4, 538, 491, 1346, 1348, 12004, 1015-12, 1542, 13748-1, 13748-2

UTM-8020, 10 kN Capacity UTEST Electromechanical Universal Testing Machines are multi purpose versatile machine. Used for flexural breaking load and modulus of rupture tests of ceramic floor and wall tiles and breaking strength test of clay or concrete roofing tile, terrazo tiles and also for tensile adhesion and tensile bond strength tests of adhesives for tiles, mortar for masonry and products for the protection and repair of concrete structures under load control by using suitable accessories up to the machine capacity.

The Testing Machine consist of base containing the transmission components and holds two robust columns connected by upper cross head and LPI Battery Operated Digital Readout Unit. The upper cross head can be adjusted to set the vertical test space for different tests. The load is measured by a load cell that located on upper crosshead. The Machine can perform test with displacement and load control.

Suitable accessories and different capacity loadcells should be ordered separately acc.to the test performed. The load is measured by a load cell that located on upper crosshead. The operator will have large flexibility during the test with advanced microprocessor control and material testing software installed on PC.

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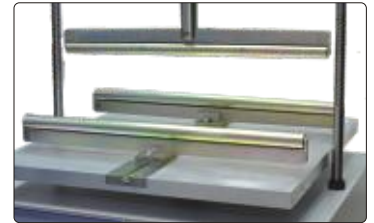
UTM-8020 supplied with 10 kN Capacity Load Cells

ELECTROMECHANICAL UNIVERSAL TEST MACHINE

MATERIALS	TESTS / METHODS	STANDARDS	ACCESSORIES
Ceramic Tiles	Flexure, Bending and Breaking Strength Tests	EN 10545-4	UTM-8012 Flexural Testing Assembly, for UTM-8010 and UTM-8020. Consist of two upper rollers and two lower rollers 820 mm length and 20 mm dia.
Concrete and Clay Products		EN 538 EN 491 EN 13748-1(*) EN 13748-2(*)	
Adhesives for Tiles, Mortar for Masonry and Products for The Protection and Repair Of Concrete Structures	Tensile Adhesion/Bond Strength	EN 1346 EN 1348 EN 12004 EN 1015-12 EN 1542	<p>UTM-8070 Pull-Headed Plate Set for EN 1348 and EN 12004</p> <p>UTM-8080 Pull-Headed Plate Set for EN 1015-12 and EN 1542</p> <p>UTM-8082 Frusto-Conical Shaped Rings. EN 1015-12, stainless steel, Ø50mm</p> <p>UTM-8064 Holders for Concrete Base Plate and Specimen EN 1348, 1015-12, 1542 (**)</p> <p>UTM-8074 Holders for Concrete Base Plate and Specimen EN 1348, 1015-12. (**)</p> <p>UTM-8084 Holders for Concrete Base Plate and Specimen EN 1542 (**)</p> <p>UTGM-0010 Load Cell 5 kN Capacity</p>



UTM-8064



UTM-8012

(*) Up to the machine capacity

(**) Supplied complete with the connection apparatus fit with the ordered machine.

Frame Features

Max. Load	10 kN
Machine Class	Class 1 starting from 1% of the capacity
Max. Vertical Test Space (without accessories)	Min. 200mm Max. 400 mm
(Lower crosshead at middle stroke.	(without accessories)
Distance Between Columns	850 mm
Stroke	100 mm
Test Speed Range	0,001-50 mm/min.
Load Rate	10-300 N/s (Depend on specimen stiffness)
Electrical Requirement	220-240V, 50-60Hz, 1 phase.
Overall Dimensions	900x970x1120 mm
Weight Approx.	320 kg