UTEST
MATERIAL TESTING EQUIPMENT

ASPHALT
Design and Testing of Bituminious Mixtures
MARSHALL STABILITY

Product Code

UTAS-1056.ACPR	Automatic Marshall Stability Test Machine with U-Touch PRO Control Unit, 50 kN / 11,2 klbf capacity
UTAS-1057	Breaking Head (Stability Mould) for Ø4" specimen
UTAS-1058	Breaking Head (Stability Mould) for Ø6" specimen
UTAS-1063	Indirect Tensile (IDT)Strenght /TSR Test Jig / Lottman Breaking Heads with Ø100mm loading strips. EN, ASTM, AASHTO
UTAS-1064	Pair of Loading Strips for Ø150 mm Bituminous Specimens. EN, ASTM for UTAS-1063
UTAS-1065E	Pair of Loading Strips for Ø160 mm Bituminous Specimens. EN, for UTAS-1063
UTAS-1066	Indirect Tensile (IDT)Strenght /TSR Test Jig / Lottman Breaking Heads with Ø4" loading strips. EN, ASTM, AASHTO
UTAS-1067A	Pair of Loading Strips for Ø6" Bituminous Specimens. ASTM, AASHTO for UTAS-1066
UTM-1088	Marshall Penetration Piston for Stability Test, for UTAS-1056

Models for 220-240V 50-60 Hz, 1 ph.	UTC-1056.ACPR
Models for 110-120V 60 Hz, 1 ph.	UTC-1056.ACPR-N

Standards

EN 12697-34, 12697-23, 12967-12 (Method A), 12697-44
ASTM D1559, D5581, D6927; D6931; AASHTO T245, T283,
EN 12697-44; NF P98-251-2; Fpr EN 12697-48

The UTAS-1056.ACPR 50 kN Capacity Automatic Marshall Stability Test Machine with U-Touch PRO Control Unit is designed to determine the maximum load and flow values of bituminous mixtures. With suitable accessories UTAS-1056.ACPR can also perform indirect tensile strength test of bituminous specimens.
The machine comprises of a robust, compact two column bench type compression frame with adjustable upper cross beam. Motor, worm gear system and U-Touch PRO Control Unit are housed within the base unit.For safety, up and down travel of the lower platen is limited by limit switches mounted on the gear system. Rapid adjustment of the platen can be done by using the up and down buttons located on the front panel. The machine can be hand operated by a lateral hand wheel for calibration purposes.
Breaking head/s, indirect tensile strength test jig/s and computer should be ordered separately.
UTAS-1063 supplied with a pair of Ø100mm steel loading strip.Loading strips for Ø150 mm and/or Ø160mm and/or Ø4" and/or Ø6" specimens should be ordered separately
UTAS-1066 supplied with a pair of Ø4" steel loading strip.Loading strips for Ø6"and/or Ø100mm and/or Ø150mm specimens should be ordered separately.

Capacity	50 kN
Dimensions	470x600x1180 mm
Weight (approx.)	102 kg
Power	1100 W

UTC-1056.ACPR

The Automatic Marshall Stability Test Machine is supplied complete with;

- Load Cell, 50 kN
- Penetration Piston for Marshall Stability Test (UTAS-1088)
- Linear Potentiometric Displacement Transducer, 25 x 0.001 mm (UTGM-0062) with holder (UTAS-1060)
- Utest Software
- Ethernet Cable for Connecton PC
- Hand Wheel for Manual Control

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