



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

This wishlist was generated on 28/06/2017, and contains the following Products:

35-2310

Automated Pull-Off Adhesion Tester

36-1410/01

**1000/500kN Motorised Compression/Tension Machine (complete with grips)
220-240V 50/60Hz 1Ph.**

46-6100/01

Asphalt Binder Analyser 220-240V 50/60 Hz



Automated Pull-Off Adhesion Tester

Code: [35-2310](#)

Product Group: [Pull-off testing](#)

The quality of concrete repairs is determined by the adhesive strength between the repair material and the substrate. Pull-off testing is the most widely used test method to assess bond strength.

Maximum pulling force of 16 kN (3597 lbf)

Mid-range instrument suitable for most pull-off testing applications.

Calibration accuracy EN ISO 7500-1 Class 1.

Comprehensive range of test discs plus adjustable foot configuration to cover a wide range of applications.

Simple programming of key parameters and fully automated test.

Applications for the 35-2310 pull-off tester include: adhesive strength of mortars and renders, adhesive strength of asphalt, adhesive strength of tiles, bond strength of coatings and overlays, bond strength of repair and materials such as FRP, tensile strength in concrete renovation.

Standards

EN 1542, EN 1015-12, EN 1348, ASTM D 4541

Specification

Working range	0.81 to 8.1 MPa (118 to 1182 psi)
Tensile force (50 mm test disc)	1.6 to 16 kN (60 to 3597 lbf)
Maximum stroke	5 mm
Maximum pulling speed	4.65 mm/min (0.183 inch/min)
Memory	100 measurements
Connections	USB to PC and for charging
Calibration accuracy	EN ISO 7500-1 Class 1 (± 1 % from 20 % of maximum force)
Battery capacity	1500 mAh, 3.7V (min. 80 measurements)
Weight	4.5 kg

Accessories



Adaptor plate for large test discs

Code: [35-2310/18](#)



Fixing kit for vertical and overhead surfaces

Code: [35-2310/20](#)



Test disc aluminium 100x100mm/M10, set of 3

Code: [35-2310/16](#)



Test disc aluminium 40x40mm/M10, set of 10

Code: [35-2310/14](#)



Test disc aluminium 50x50mm/M10, set of 10

Code: [35-2310/13](#)



Test disc aluminium Ø 100mm/M10, set of 3

Code: [35-2310/15](#)



Test disc aluminium Ø 20mm/M10, set of 10

Code: [35-2310/12](#)



Test disc aluminium Ø 50mm/M10, set of 10

Code: [35-2310/11](#)



Test disc aluminium Ø 75mm/M10, set of 5

Code: [35-2310/17](#)



Test disc steel Ø 50mm/M10, set of 10

Code: [35-2310/10](#)

Spares/Consumables



Battery pack complete

Code: [35-2310/19](#)



1000/500kN Motorised Compression/Tension Machine (complete with grips) 220-240V 50/60Hz 1Ph.

Code: 36-1410/01

Product Group: [Compression Tension Machine](#)

- Compression testing of concrete cubes and cylinders
- Calibration in compression is accurate to 1% of indicated load, satisfying BS EN ISO 7500-1; ASTM E4
- Self-aligning upper platen for compression tests
- Easily fitted grips for tension testing

The load frame is of high quality steel construction with a fixed upper head carrying a ball-seated platen. The ram carrying the lower platen is contained in the base of the frame and is protected by a shroud. Sufficient clearance between the platens allows the compression testing of concrete cylinders up to 160 mm diameter by 320 mm long. To allow for the compression testing of concrete cubes, a range of distance pieces is available.

Tension tests on steel reinforcing bars are conducted by replacing the platens with special grips. As standard the machine is supplied with the following size grips for testing bars, 10 mm, 12 mm, 20 mm, and 25 mm diameter. The machine is motorised, incorporating a change-over lever to select either compression or tension output from the pump.

Standards

BS EN ISO 7500-1, ASTM E4

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

220-240V 50/60 Hz 1Ph.



Asphalt Binder Analyser 220-240V 50/60 Hz

Code: 46-6100/01

Product Group: Ignition Method

Designed to measure the asphalt binder content of hot mix asphalt (HMA) using loss on ignition, in accordance with AASHTO T 308-10, ASTM D6307-10 and BSEN 12697-39:2012.

Further Information

The integral microprocessor controlled weighing and calculation system is configurable to allow variations to the standard test method. Test result reports are available in both printed and software format. The high temperature afterburner minimises the production of noxious waste fumes. Supplied complete with 2 sets of sample baskets.

Features:

- Designed to measure asphalt binder content by loss on ignition
- Avoids health, environmental and waste management issues
- Avoids the expense associated with older solvent extraction methods
- Reduced emissions due to high temperature afterburner
- Controlled via a multi-lingual touchscreen interface
- English, Spanish, French, Chinese, Italian and Russian language display
- Other languages are available to order
- Automatic calculation of final sample weight and binder % result
- Adjustable aggregate correction factor
- Average test times from 20 mins for 6 mm aggregates, to 45 mins for 40 mm aggregates
- Permanent (dot-matrix) printed reports
- USB data output compatible with most spread sheets
- Easy naming, storage and recall of recipes that can be transferred between units
- Simplified menu structure with secure 'Supervisor' and 'Operator' settings
- Metal waste gas extraction pipe
- Factory fitted thermocouple access port, if temperature calibration is to be carried out
- Precise weight measurements, displayed to 0.1g resolution
- Capacity for large sample sizes for more accurate results (max. sample is 4.5kg)

Specification

Max Temp (°C)	750
Dimensions: Internal (HxWxD)	220 x 450 x 350 mm
Dimensions: External (HxWxD)	980 x 600 x 775 mm

Product Sheet

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Type
Thermocouple type
Max power (W)

Bench-top
K
8000