

AMB STANDARD

Compact tear-off device with precision measuring electronics and memory for 1,000 tests

Digital apparatus with 1,000 test memory - no cabling and therefore easy to use. Easy to perform manual load pull test - thanks to 15: 1 gearbox. Measuring ranges in both kN and MPa for the most common dimensions of pull-off targets, ie for targets with a diameter 50 mm, for a square target with a ground plan 50 x 50 mm, for a circular target with a diameter 20 mm. The instrument is suitable for both laboratory and field measurements.

Technical data:

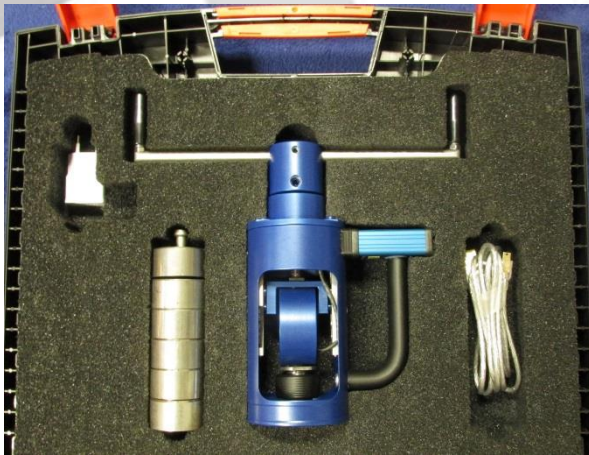
Device type	AMB 5	AMB 10	AMB 15
Measuring range	0 – 5 kN	0 – 10 kN	0 – 15 kN
Measuring range of the tear tensile on 50 mm diameter targets	0 to 2,5 MPa	0 to 5,0 MPa	0 to 7,5 MPa
Resolution if the measurement unit	0,001 kN/ 0,001 MPa	0,002 kN/ 0,002 MPa	0,005 kN/ 0,005 MPa
Accuracy	±1,5 % from measured value, ± 1 digit		
Maximal vertical stroke	50 mm		
Memory capacity	1 000 Measurements: Test date and time, test number, maximum tear strength achieved, test target shape, test results can be downloaded to PC via mini-USB port		
Mass of the device	2,2 kg		
Dimensions	230 x 85 mm		
Operating temperature	0°C to 50°C		
Storage temperature	-10°C to 60°C		
Power supply	Accu (mini-USB charging), capacity for 8 hours of work		
Options	Quick-release plug for clamping of the test targets. Round targets dia. 50 and 20 mm, square targets 50 mm. Calibration certificate valid throughout the EU.		

Scope of Supply:

- ❖ Load unit with inductive load cell including built-in measuring unit and threaded test target clamping
- ❖ 50 mm diameter stainless steel test target 1 piece
- ❖ Transport case „HEAVY“
- ❖ User program for downloading measured data to PC with Windows XP and newer operating system

An overview of some standards that the device meets:

- EN 1542 • EN 13892-8 • EN 1348 • EN 1015-12 • EN ISO 4624 • EN ISO 14916



AMB PLUS

Device for measuring the pull-off respectively tear-off strength in building industry

The devices are designed primarily for measuring the force required to pull out a plastic or metal building anchor. The tensile force acts perpendicular to the surface. The support points are at least 150mm from the load axis. The device is particularly suitable for checking and detecting the condition of masonry before installing the thermal insulation system.

The measuring electronics shows both instantaneous and maximal achieved pulling force in kN.

The procedure of this test and its evaluation is described in the European Directive ETAG 014 - *Plastic anchors for fixing of external thermal insulation composite systems with rendering.*

Technical data:

Device	AMB PLUS 5	AMB PLUS 10	AMB PLUS 15
Force	5 kN	10 kN	15 kN
Resolution	± 0,001 kN	± 0,001 kN	± 0,002 kN
Accuracy	±1,8 % from measured value, ± 1 digit		
Maximal vertical stroke	50 mm		
Memory capacity and transfer of measured data to PC	1,000 measurements: Date, time, test number, maximal withdrawal respectively tearing force, data transfer via mini-USB - data format for MS Excel		
Device mass	4,9 kg (the measuring electronics is part of the load cell)		
Head for plastic anchors - load capacity	Lockable, with lock, load capacity up to 10 kN		
Dimensions of the device	250 x 85 mm		
Operating temperature	-10°C to 50°C		
Storage temperature	-20°C to 60°C		
Power supply	Integrated Li-Ion accumulator, 8 hours of work, charging via mini-USB port		
Part of the standard Equipment for pulling tests	Height-adjustable base for different plastic anchor sizes - up to 15 kN with supports 150 mm distant from loading center		
Additional pull test accessories	Plug-in heads for pulling tests of metal anchors up to 15 kN (diameter 8, 10 and 14mm). Round steel targets diameter 50mm for tear-off tests. Calibration certificate issued by the Czech Metrology Institute (recognized by EU countries).		

Scope of Supply:

- ❖ Load unit with measuring electronics equipped with memory for 60 thousand measurements
- ❖ Base with adjustable supports 260 mm
- ❖ Lockable head for plastic anchors including quick-release plug
- ❖ Transport case „HEAVY“

An overview of some standards that the device meets:

- EN 1542 • EN 13892-8 • EN 1348 • ETAG 014 • ETAG 004

