

PosiTest Family

Pull-Off Adhesion Test

The PosiTest pull-off adhesion testers measure paint adhesion on metal, wood and other rigid substrates. This easy-to-use, reliable and versatile instrument uses hydraulic pressure and a revolutionary self-aligning dolly to ensure uniform pull distribution over the surface being tested, preventing a one-sided pull-off. This is done using a ring of small ball bearings to engage the articulating dolly head.

There are two models available. The model AT-A Automatic Pull-Off Adhesion Tester and Model AT manual version. Both models have the following features:

- Portable, hand-operated instrument can be used in any position and requires no external power source-ideal for the lab and on-site
- Large scale reads clearly and easily in PSI and MPa
- Inexpensive, single-use dollies eliminate the need for heating, cleaning, or brushing for re-use
- Self-aligning dolly enables measurement on smooth or uneven surfaces without adversely affecting the test results.
- Heavy-duty hydraulic pump with safety valve helps prevent damage to pressure system
- Quick-coupling makes securing dollies in actuator simple, fast and trouble-free
- Multi-purpose, high-tensile two-part adhesive suitable for use with a wide variety of coatings and coating thicknesses
- Cutting tool for isolating test area is included
- Coating adhesion tester pressure system is calibrated and certified to $\pm 1\%$ accuracy (full-scale) and comes with a two-year warranty
- Internal memory stores up to 200 pulls. This includes maximum pull-off pressure, rate of pull, test duration, and dolly size
- Optional PosiSoft software available to upload test results
- USB Port PC interface
- 10, 14, 20, and 50mm dollies to maximize the measurement resolution and test range



PosiTest Model ATA-20

The automatic model has a electronically controlled hydraulic pump that applies continuous pressure. The pull-off rate is user-selectable. Simple push button operation, eliminates the need to close valves or reset scales. A rechargeable NiMH battery is built-in providing up to 200 tests per charge. A universal AC Adapter is supplied. The Model ATA-20 has a high resolution screen, a wireless connection to a smart device, and records the nature of the failure: cohesion, adhesion, or glue failure.

Standards

ASTM	D 4541, D 7234
ISO	4624, 16276-1

Technical Specifications

Adhesion Strength	Resolution	Dolly Size
0-20 MPa (0-3000 psi)	± 0.01 MPa (± 1.0 psi)	20 mm
0-20 MPa (0-3000 psi)	± 0.01 MPa (± 1.0 psi)	20 mm
Case Dimensions	43 x 33 x 15 cm (17 x 13 x 6 in)	
Unit Weight	5.5 kg (12 lbs)	



Ordering Information

Cat. No.	Description
2201	PosiTest AT
5142	PosiTest ATA-20

Comes complete with:

Adhesion Tester with digital display
Hydraulic pump and actuator
Aluminum test dollies (20 mm)
Cutting tool for 20 mm dollies
Adhesive, 1.5 meter (5 ft.) flexible hose
Adhesive mixing sticks and palettes (5 each)
2-year warranty and carrying case
USB Cable
Certificate of calibration