

POSITECTOR®

PULL OFF ADHESION TESTER (PAT)

APPLICATIONS

Measures adhesion of coatings to metal, wood, concrete and other substrates. Revolutionary self-alignment feature and pull rate indicator.

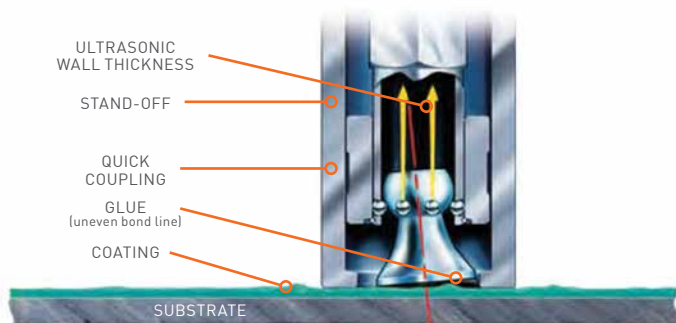
Manual and automatic models available, manual unit shown.

FEATURES AND BENEFITS

- Environmentally sealed enclosure – weatherproof, dustproof and shockproof – meets or exceeds IP65
- Inexpensive, single-use dollies eliminate cleaning for re-use and can be kept as a permanent record
- Conforms to international standards including ASTM D4541/D7234, ISO 4624/16276-1, AS/NZS 1580.408.5 and others
- 10,14, 20 or 50 mm dollies maximize capability and measurement resolution across a wide range of bond strengths
- Calibrated and certified to 1% accuracy using a NIST traceable load cell

SELF-ALIGNMENT FEATURE

The PosiTest Adhesion Tester compensates for misalignment. The self-aligning, quick-coupling actuator and spherical articulating dolly head enable uniform distribution of the pulling force over the surface being tested, preventing a one-sided pull-off.



ORDERING GUIDE

Manual Models	ATM20	ATM50
	0.7 – 20 MPa 100 – 3000 psi	0.4 – 3.5 MPa 50 – 500 psi
Automatic Models	ATA20	ATA50
	0.7 – 24 MPa 100 – 3500 psi 100 – 7550 N	0.4 – 3.8 MPa 50 – 560 psi 100 – 7550 N
Dolly	20 mm	50 mm
Typical Application	Coatings on metal	Coatings on wood, concrete and plastic
Resolution	0.01 MPa (1 psi)	
Accuracy	± 1% Full Scale	

* Optional 20 and 50mm Accessory Kits allow each model to be used with alternative dolly sizes. Custom 10 and 14 mm dollies are available for special applications.

All kits include everything needed for testing:

Adhesion Tester, built-in rechargeable NiMH battery with charger, dollies, abrasive pad, cutting tool, glue with mixing sticks and palettes, cotton swabs, USB cable, PosiSoft Software, instruction booklet and video, shoulder strap (AT-A only), Certificate of Calibration traceable to NIST, two-year warranty, and sturdy, lightweight carrying case



SELECT MANUAL OR AUTOMATIC...

POSITEST AT-M MANUAL

- Manual hydraulic pump designed to apply smooth and continuous pressure with a single stroke
- Pull Rate Indicator to manually monitor and adjust the rate of pull
- Internal memory stores maximum pull-off pressure, rate of pull, test duration and dolly size for up to 200 pulls
- Compatible with PosiSoft desktop software

POSITEST AT-A AUTOMATIC

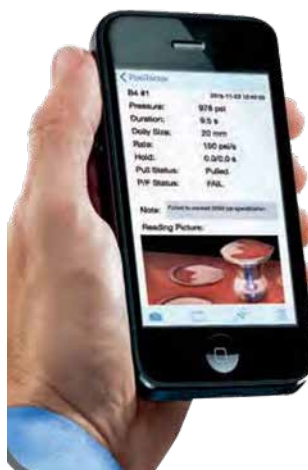
- Electronically controlled hydraulic pump automatically applies smooth and continuous pull-off pressure. Greatly reduces user effort and the risk of influencing the pulling process.
- User adjustable pull rate, pull limit and hold time
- Built-in rechargeable battery performs over 200 tests per charge.
- Continue testing with AC power while the battery recharges.
- Internal memory stores maximum pull-off pressure, rate of pull, test duration, dolly size, pass/fail, the nature of fracture and user notes for 100,000 pulls in up to 1,000 batches
- Compatible with PosiSoft desktop software, PosiSoft.net and PosiTector App
- PosiSoft USB Drive - stored readings and graphs can be accessed using universal PC/Mac web browsers or file explorers.
- No software required.
- WiFi technology wirelessly communicates with PosiSoft.net and downloads software updates
- Rubberized, shock absorbing grips also provide a stable, skid-resistant footing

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WIRELESSLY CONNECT THE POSITEST AT-A TO YOUR SMART DEVICE USING OUR FREE APP

- Add images and notes using camera and keyboard
- Create customized, professional PDF reports
- Share, backup, synchronize and report measurement data
- Auto-pairing Bluetooth (BLE) connection



B4 #1 Layers: 3	
Cohesive %	Adhesive %
Glue: Y 15	Y/Z Interface: 20
Layer 3: D	D/Y Interface: 80
Layer 2: C	C/D Interface: 0
Layer 1: B	B/C Interface: 0
Substrate: A	A/B Interface: 0
Done	

Record the pass/fail result and the nature of fracture - cohesive, adhesive, and glue failures - using the app (left) or the instrument's touch screen display (above)