

# PosiTest<sup>®</sup> **AT** Series Pull-Off Adhesion Testers

Measures the adhesion of coatings to metal, wood, concrete and other rigid substrates



*Available in Automatic  
or Manual models*



**DeFelsko<sup>®</sup>**  
The Measure of Quality



Available on the  
**App Store**





# PosiTest<sup>®</sup> AT Series

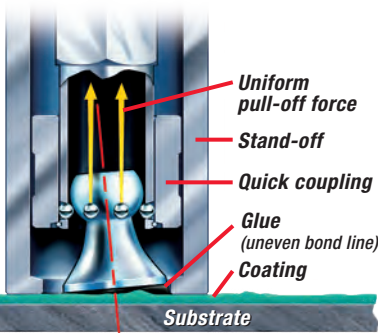
Measures the force required to pull a specified test diameter of coating away from its substrate using hydraulic pressure.

## All Models Feature...

- 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  $\pm 1\%$  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

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

Impact and scratch resistant color touch screen with keypad for operation with or without gloves

## 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	0	Y/Z Interface:	20
Layer 3: D	0	D/Y Interface:	80
Layer 2: C	0	C/D Interface:	0
Layer 1: B	0	B/C Interface:	0
Substrate: A	0	A/B Interface:	0
<b>Done</b>			

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)

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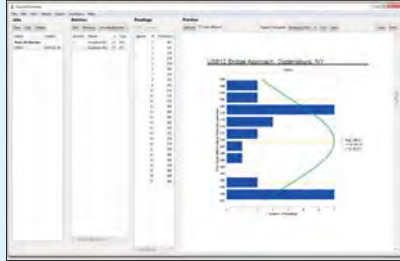
# PosiSoft® Suite of Software

3 FREE ways to view and report your data

## PosiSoft Desktop Software (v 4)

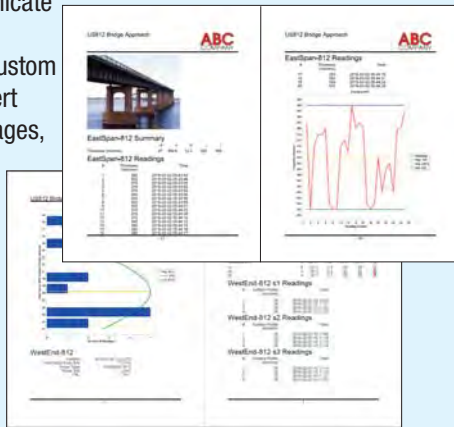
Powerful desktop software (PC/Mac) for downloading, viewing, printing and storing measurement data. Includes customizable, templated PDF Report Generator. No internet connection required.

- Import readings directly from the gage via USB
- **Jobs** feature consolidates and organizes batches and reports
- Export all data, settings and templates for backup and sharing



## Generate Custom, Professional PDF Reports

- Include inspection information such as on-site pictures, screen captures, notes and more to communicate important details
- Create and save multiple custom layouts as templates – insert cover pages, add logos/images, and select font and point size
- Select the information to include for each product type – charts, histograms, readings, time stamps and more
- Compile multi-batch reports from one or more instrument types



## PosiSoft.net

A web-based application offering secure centralized management of readings. Access your data from any web-connected device.

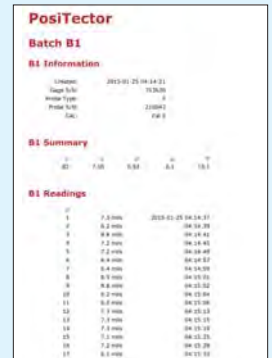
- Synchronize measurement data when connected via USB, Bluetooth or WiFi wireless technology
- Securely store measurement data in the cloud and share with authorized users via a secure login
- Generate reports with graphs, annotations and images



## PosiSoft USB Drive

A simple interface to retrieve data from your gage in a manner similar to a USB flash drive. No software required.

- Measurement data can be printed quickly from an HTML report or exported in .CSV format for further analysis in Excel



Learn more at [www.DeFelsko.com/PosiSoft](http://www.DeFelsko.com/PosiSoft)

	PosiSoft Desktop	PosiSoft.net	PosiSoft USB Drive
Generate basic, pre-formatted reports	◆	◆	◆
Generate professional PDF reports with custom formatting. Add pictures, logos, screen captures, notes and more.	◆	◆	
Export to .CSV (comma separated values)	◆	◆	◆
View and print readings stored on a PosiTector/PosiTest AT-A	◆	◆	◆
Add photos and notes to reading data	◆	◆	
Software installation required	◆		
Internet connection required		◆	
Default download location for batches and readings	Hard Drive	Cloud	Gage
Multi-language support: English, Spanish, German, French, Chinese and Korean	◆	◆	◆*
PC/Mac compatible	◆	◆	◆
FREE	◆	◆	◆
Compatible with all current <b>PosiTector 6000/200/SPG/RTR/DPM/UTG</b> and <b>PosiTest AT series</b>	◆	◆	◆†

\*PosiSoft USB Drive supports all 15 languages supported by the PosiTector gage. † PosiTest AT-M is not supported by PosiTector USB Drive