

## AT101/6.3kN Adhesion tester

Automatic adhesion tester with the 6.3 kN general purpose sized testing head. The testing machine is dimensioned for measuring of bond strength of all types of paints, thermal sprayed coatings, thin films, concrete coatings, ceramics, etc. Different test ranges are achieved by using different test element sizes (see table below)



Order # **123-AT101-6.3kn**

Price \$ Please request a quote.

### Description

- Portable and simple to use.
- Produces comparable test results both in the laboratory and on site.
- Precision gauge with both MPa ( $\text{N}/\text{mm}^2$ ) and psi reading.
- Simple layout of control panel.
- Rate of tensile force increase is infinitely variable between zero MPa/sec up to maximum rate (the rate depends on the size test element used).
- 110/230V mains power. Battery power optional.
- **All AT101 models can have the data logging module built in when new or retrofitted into existing testing machine.**
- Testing of coatings on any shaped substrates, e.g. inside and outside pipe surfaces.
- Supplied in solid aluminum case.

#### INCLUDED WITH STANDARD MODEL

- Automatic hydraulic pump unit with control display
- Hydraulic cable
- PAT testing head 6.3kN
- Adapter for main power
- Aluminum carry-case with protective interior
- Calibration Certificate

<b>TESTING RANGE</b>				
Test element size (diameter mm)	Full Scale		Certified testing range	
	MPa	psi	MPa	psi
50	3.2	460	2.7	400
40	5	725	4.25	600
28.2	10	1450	8.5	1200
20	20	2900	17	2450
14.1	40	5800	34	4900
8.16	120	17400	102	14800
50x50mm square	2.5	360	2.1	309

<b>TECHNICAL DATA</b>	
Maximum certified pull force	5.4 kN
Accuracy	±1% of full scale
Power	110/230V AC
Battery	Optional
Hydraulic System Drive	Two-step servo motor
Weight complete in case	8.2 kg
Case Dimensions (WxLxH)	430 x 325 x 145mm / 17x13x6 inches
Complies with:	ISO 4924, EN24624, ASTM D4541, etc.