

AT101/20kN Adhesion tester

Powerful automatic adhesion testing machine with full-scale pull force of 20kN. This model is designed for tensile pull testing of low to medium strength concrete, concrete coatings and other cementitious materials and measurement of tensile bond strength of coatings applied to concrete materials.

Different test ranges are achieved by using different test element sizes (see table below)



Description

- Portable and simple to use.
- Produces comparable test results both in the laboratory and on site.
- Precision gauge with both MPa (N/mm²) and psi. reading.
- Simple layout of control panel.
- Rate of tensile force increase is infinitely variable between zero MPa/sec (standstill) up to maximum rate (the rate depends on the size test element used).
- 110/230V main 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.

Order # [123-AT101-20kN](#)

Price \$ Please request a quote.

INCLUDED WITH STANDARD MODEL

- Automatic hydraulic pump unit with control display
- Hydraulic cable
- PAT testing head 20kN
- Adapter for main power
- Aluminum carry-case with protective interior
- Calibration Certificate

TESTING RANGE				
Test element size (diameter mm)	Full Scale		Certified testing range	
	MPa	psi	MPa	psi
70.7	5	725	4.3	620
50	10	1450	8.5	1200
25	40	5800	34	4900
50 x 50mm	7.85	1140	6.7	970

TECHNICAL DATA	
Maximum certified pull force	17 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.