WIRETEST 2
Wire tester

ANDILOG TECHNOLOGIES

Motorized wire tester

The WIRETEST 2 test bench is designed to test the quality of connections in place. The success of a connection is related to the quality of the setting tools and the proper adjustment of the setting machines. Because these settings tend to evolve over the course of production, it is essential to check them regularly. Measuring the force needed to pull out the connections is a quick and easy step that very clearly shows the condition of the setting. Several aeronautic, automotive or railway standards define the test conditions: minimum acceptable forces depending on the diameter of the cable, tension rates, etc. WIRETEST 2 meets all those conditions. Thanks to its control console, the operator selects the settings for the tension rates, the return speed and the automatic return to the starting position. The force gauge displays the current values and the pull-out force. These results can either be stored in the memory (up to 1000 values) or even transferred to a computer. Designed for use in the production workshop, the WIRETEST 2 guarantees a faultless wiring. Maximum force 2,000 N, displacement length 300 mm, maximum length of samples 400 mm, sold with a carousel for terminals and a self-closing wedge clamp.

System includes:

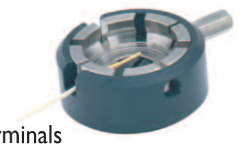
- Motorized force tester Stentor II 2500
- One load cell capacity 2000 N
- One carrousel fixture for terminal
- One self-closing wedge clamp
- Certificate of calibration traceable to COFRAC

Available calculations :

- Maxima in a time window
- Time necessary to reach maximum effort
- Average over the duration of the test
- Force at time T
- Break point
- Derivative
- First peak
- Force on opening/closing of contact
- Average force

Accessories included :

Selft-closing wedge clamp



Carrousel for terminals

Dimensions and mechanical caracteristics

SPECIFICATIONS	WIRETEST 2
Capacity	2 kN
Maximum travel	300 mm
Travel resolution	0.01 mm
Travel accuracy	0.05 mm
Height between table and crosshead	530 mm
Adjustable speed in mm/min	10 à 350
Speed resolution	1 mm/min
Speed accuracy	5 %

SPECIFICATIONS	WIRETEST 2
Manaual High speed	350 mm/min
Mechanical stops	Yes
Travel stops	Yes
Force stops	Yes
Cycles	Yes
Working table dimensions	200 x 300 mm
External dimensions	947 x 345 x 500
Weight	50 kg

Specifications

FONCTIONS	WIRETEST 2
Accuracy	0,5 % FS
Resolution	1/10 000 FS
Data rate	1000 Hz
Overload protection	200% PE
Units	N, Lb, Kg, g, Oz
Bargraph	√
Peak in traction and compression	√
Display peak and current reading in the same time	√
Display curve Force / Deflection	√
Tare feature	√
Stop on force	√
Average and standard deviation	√
Automatic calculations	√

FONCTIONS	WIRETEST 2
Memory	1000 résults, 1 curve
Emergency stop	√
Automatic recognition of force sensors	√
Available load cells	20N, 50N, 100N, 200N, 500N, 1kN
Manual high speed	√
Automatic return	√
Manual and automatic tare	√
Safety guard	Option
RS232 output	Current reading, peak, calculation
USB output	Current reading
Data rate on USB	500 values / second
Data rate on RS232	50 values / second
Backlight	√

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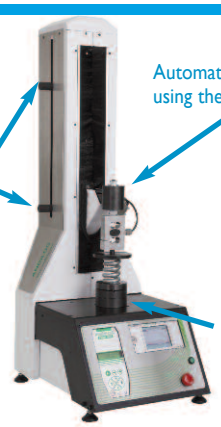
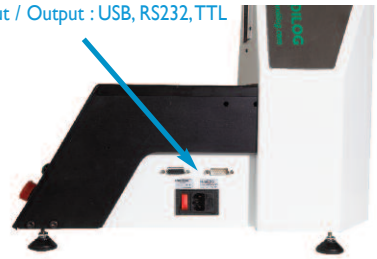
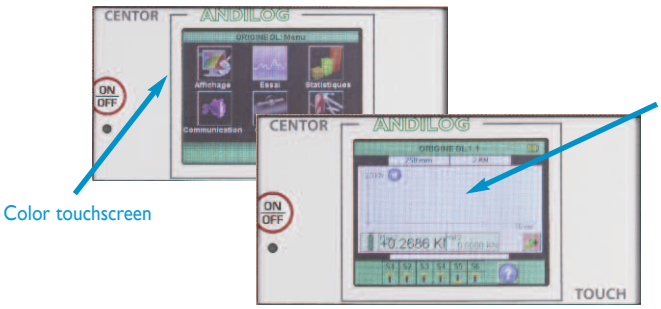
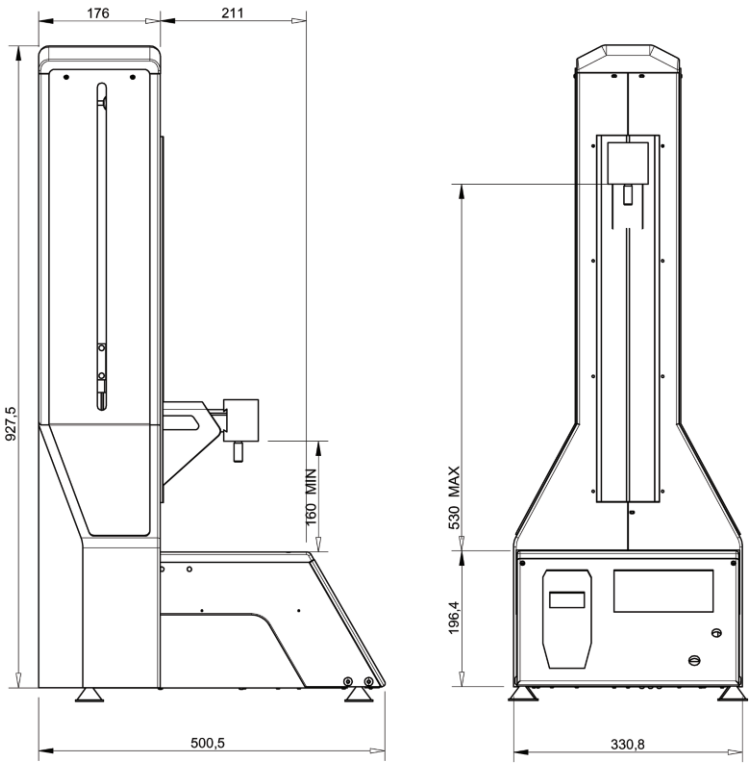






Dimensions



Optional software

Caligraph software compatible : software for curve analysis with USB or RS232 download.
RSIC software compatible : Download your results to Microsoft Excel

Datastick compatible : Memory card reader to save your data (curve, peak, calculation) to a SD memory card. The test stand doesn't have to be connected to a computer while you do your tests.

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AB Certification *Certifié ISO 9001:2000*

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