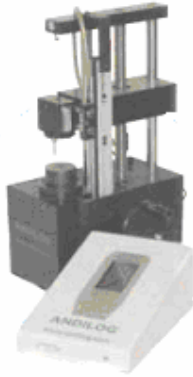


Springtest 2

Precision tester (manual version)



*A system specially designed for high-precision measurements of compression springs. With its high reduction ratio, this manually operated test stand is well suited to measurement of small springs with low force levels. The displacement sensor gives a measurement of the flexion or height measured under adjustable limit stops. The measurement display shows the force and the displacement simultaneously and plots the graph curve for the spring. These data can be exported via the RS232 output on the display unit. The parallelism of the lower plate can be adjusted to ensure correct seating of the spring. A kit of accessories can be used to make measurements on tension springs.*

Models	Max Capacities	Resolutions	Travel	Diameters
Springtest 2 – 10	0 – 10 N	0.001 N	100 mm	30 mm
Springtest 2 – 25	0 – 25 N	0.002 N	100 mm	30 mm
Springtest 2 – 50	0 – 50 N	0.005 N	100 mm	30 mm

*Displacement resolution: 5 microns*

The pack includes:

- Special test stand
- CNR DUAL T (in tabletop casing) (capacities of 10 N, 25 N and 50 N available)
- incremental linear encoder linked to the CNR DUAL T with a SPIP connector
- Compression plate diameter 100mm (AC PL100)
- Self levelling compression plate (AC PAJ80)
- Hook (CNR CRC)

*Technical characteristics of the CENTOR Dual force gauge:*

- Simultaneous readings on 2 channels
- Operates in tension and compression
- Accuracy 0.1% FS
- Resolution 1/10000 N
- Peak function for tension and compression
- Simultaneous display of the peak and the current reading
- Display of the Force/Displacement graph
- Calculations of specific points in the graph for each channel:
  - Maxima
  - Force at time T
  - Break point
  - Derivative
  - First peak
  - Force on opening/closing of contact
  - Average force
  - Force for a given displacement
- Memorization of the last graph curve measured
- Bar graph

- 5 units available: N, kg, Lbs, g, Oz
- Sampling rate 1 000 Hertz
- Can be used with a pedal
- Tare function, separate on each channel
- Automatic tare possible at the beginning of the graph curve
- Auto-off adjustable from 5 to 15 min, can be deactivated
- Programmable set point functions for each channel
- Full two-way RS232 output
- Running transmission of 25 value pairs per second
- Possibility of transmitting the graph curve memorized
- Digimatic output
- Memorization of 2 configurations
- Protection function (blocking) for the current configuration
- Automatic recognition of additional force or torque sensors
- Recognition of incremental displacement sensors (angular encoders or linear rulers)
- Reversible display
- Backlit display
- Sensor protected from overloads up to 200% of its capacity
- Operates on rechargeable batteries
- 8 hours of operation without recharging
- Fast charge
- Low battery indicator
- Metal casing with protective elastomer overmould
- Threaded fixing holes on the back for use on test stand