

Dynamometer



Model 322

Test

1 channel. for sensors 5 V DC, 350 Ohm
1 A/D-converter, 24 bit
Measurement frequency is selectable between 100Hz and 2000Hz
High speed CPU 186 with 512 KB cache, 128 KB SRAM
Data logger 4 MB; e.g.. 166 curves at 100Hz and 30s test duration
Analogue output: 0 up to 2V DC
Automatic saving of all settings
USB-Interface, version 2.0
Data export with Active-Sync: Excel
Switch off at 10% of battery
In-Service-Monitoring for battery; low battery annunciator
Operating time: > 8 hours
Main menu for principle settings (e.g. statistic)
User menu for rare settings (e.g. language)
Units (N, kN, kg, lbs)

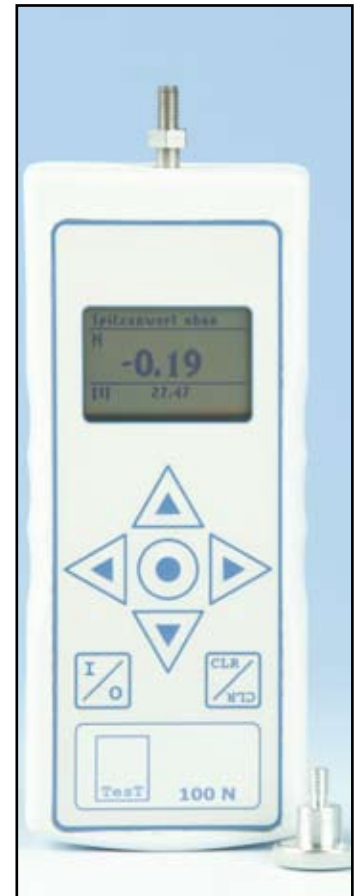
Test develops and validates systems, in line with the constantly growing requirements and aim at the needs of its customers to guarantee a complete and competent solution of the highest level.

We engage ourselves to reach a high customer satisfaction in a surrounding field of prevention and continuous improvement. The new model 322 is the High end product of most modern measuring technique and offers an unusual price performance ratio.



Attachment:

- Carrying case
- Short manual
- Accumulator
- Power pack 230 V
- Compression plate, 23 mm Ø, M6
- Extensions: M6 x 25 mm; M6 x 45 mm
- Calibration certificate
- EC-Confirmation
- USB-cable
- CD incl. software and complete manual



Model 325

Test

1 channel. for sensors 5 V DC, 350 Ohm
1 A/D-converter, 16 bit
Measurement frequency 1000Hz
Automatic saving of all settings
Switch off at 10% of battery
In-Service-Monitoring for battery; low battery annunciator
Operating time: > 8 hours
1 Menu ...
- Tare
- Units (N, kg, lbs)
- instantaneous value and peak

Test dynamometers integrate a high-resolution force sensor as well as processor-controlled electronics with most modern software, based on a wide experience and the requirements of our customers.

The main area of application for these devices is research and development, production and quality assurance. Particularly operating forces as well as stability of construction and functional units will be measured.

Examples:

Springs, tracer (?? do not know what this is?), switches, levers, fasteners, precision mechanics, foods, cosmetics, vehicles, medical technology, and many more.



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Additional technical data

	Model 322	Model 325
Measurement range	20 N up to 5 kN	20 N up to 1 kN
Resolution (depending on measurement range)	max. +/- 50.000 digit	max. +/- 5.000 digit
Uncertainty	0,05% of final value	0,1% of final value

For more details please visit our homepage:

www.TesT-GmbH.com

Calibration is made using either reference instruments or weights which themselves are checked regularly by the PTB or by DKD-authorized agencies. Thus traceability as prescribed in ISO 9000 ff. is ensured.



Used in **TesT** – small testing machine Models 101 up to 105



determination & check of compressive forces



Model 1191 – mechanical dynamometer



Technical characteristics

Model 1191	
Measurement range	50 N up to 500 N
Resolution	0 up to 100 lines
Uncertainty	0,5% of final value
Unit	(N), optional (kg), (lbs)
Tension/compression readings with precision, bidirectional dial pointer	
Force introduction at either end	
Zeroing with rotating dial scale	
Peak value measuring with drag pointer	



The mechanical designs are especially rugged, simple and reliable in use. They are employed primarily for occasional measurements on the shop floor and during final quality control inspections. The model 1191 series of dynamometers features high-precision measurement springs, in an opposed configuration and connected to the force transfer linkage. The excursion path is registered using a precision dial gauge and is proportional to the force applied. The display scale is graduated in Newtons (N).



Other products of **Test**



Test Universal-Testing-Machines
optical extensometer



Test Screw-Testing-Machine from 35 Nm up to more than
15000 Nm Tests at different temperatures



Test Box-Testing Machine



Test Vibration-Tester for screws between
M6 and M16



Test Calibration machines



Test Testing machines for Keyboards



Test Load cells



Test torque sensors



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