

## Dynamometer 324 for tension and compression

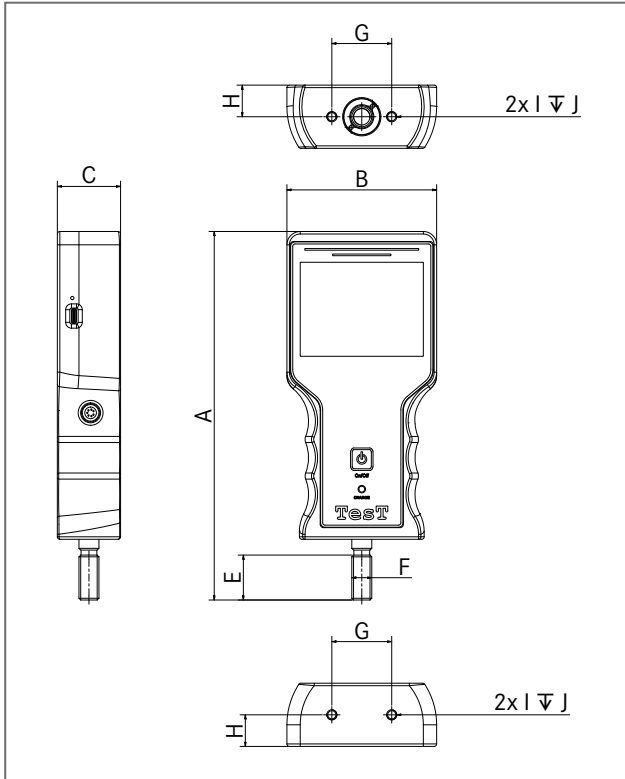


The dynamometer of type 324 for tensile and compressive forces is equipped with a high-resolution force sensor as well as a processor-controlled electronic unit with most modern software. The main application of this type of device is quality assurance, incoming goods inspection, production as well as research and development. In particular, operating forces and strengths at parts and components are measured, e.g. springs, tracers, switches, levers or fasteners. Thus, devices of type 324 are used cross-sectorally, e.g. in food industry, automotive or medical technology. Due to its touch screen this dynamometer can convince with an intuitive handling and due to its rechargeable lithium-ion battery and energy-saving dark mode this device can be operated in mobile use for hours.

### TECHNICAL DATA

Full scale values	20 N, 50 N, 100 N, 200 N, 500 N, 1000 N, 2000 N, 5000 N
Measuring uncertainty	±0,05 % f.s.
Measuring frequency	50 Hz ... 2000 Hz, variable
Measurement resolution A/D converter	24 bit
Indication resolution	7-digit + floating point, variable
Data logging	Micro SD memory card 2 GB, integrated
Interfaces	USB 3.0 data and functional interface Limit signal output (open collector)
Interfaces, optional	Analogue output ±2 V   Encoder input 5V TTL
Data export format	ASCII   CSV
Touch screen	Coloured, 128 x 128 pixel
Indications	Measured value display   Value deflection   Value graph
Functions	Peak value memory   Curves memory   Data stream Single value transmission   Peak value transmission
Configurations	Language   Unit   Limits   Measuring frequency   Force direction
Housing	Die-cast aluminium housing, with recessed grips
Dimensions (HxBxT) mm	185 x 75/90 x 38
Weight	Approx. 820 g

# Dynamometer 324 for tension and compression



## DIMENSIONS

	20 N ... 1000 N	2000 N ... 5000 N
A	185	185
B	90	90
C	38	38
D	20	36,5
E	12	27
F	M6 x1	M12 x1,75
G	36	36
H	19	19
I	M6 x1*	M6 x1*
J	10	10

\* Strength of the housing: 250 N/mm<sup>2</sup> (consider for tightening torque!)

## DELIVERY SCOPE

- Dynamometer inside a transport case
- + USB power plug 230 V / 50 Hz + charging cable
- + User manual (digital, in the device memory)
- + Calibration certificate (manufacturer's calibration)
- + Force transmission parts, see table on the right

## 20 N ... 1000 N

## 2000 N ... 5000 N

- |                          |          |
|--------------------------|----------|
| Compression piece Ø 9 mm | Ø 18 mm  |
| Elongation 35 mm         | 50 mm    |
| Cone tip 90°             | —        |
| Tensile hook inclusive   | optional |

