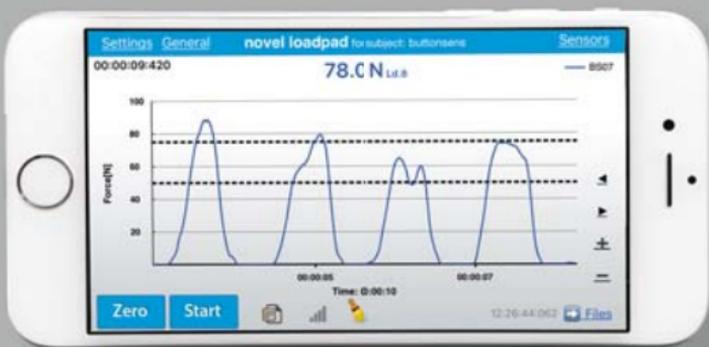


buttonsens

force sensor



The buttonsens force sensor measures the normal force acting on the sensor during activities performed with the finger or thumb especially in ergonomics, manufacturing quality control, and biomechanics.

The buttonsens utilizes one fully calibrated, capacitive sensor which is connected to the small and lightweight loadpad® electronics. It either communicates via Bluetooth with a mobile device or can be connected via cable to novel's pliance® measuring system.

When used with a mobile device, data acquisition, real-time transmission, and data evaluation is captured with the loadpad® app. The app displays force over time and allows the definition of audio or visual feedback thresholds which helps the user to meet specified load limits or to achieve target values. The measured data can be stored on the mobile device and to the cloud and also transferred to a computer for detailed analysis. As the sensor is thin and highly adaptable there is minimal disturbance to the proprioceptive perception.

The buttonsens force sensor is the ideal solution for mobile applications in which the load on the hand is to be monitored in daily routine.

Technical data of the buttonsens force sensor	
number of sensors	1
dimensions (mm)	17 x 17 standard and custom sizes
sampling rate (Hz)	10-100 (selectable)
transmission	Bluetooth® LE or cable to pliance® analyzer
operating devices	iPhone, iPad, iPod touch, Android mobile devices, pliance® analyzer, PC
power supply	3V coin cells (or rechargeable batteries)

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All systems from novel operate with high quality, calibrated sensors and provide reliable and reproducible long term measurements. loadpad®, pliance®, artinscience®, and the novel logo (colored foot) are the registered trademarks of novel gmbh © 1992-2018