



## loadglove

Quantifying hand and fingertip forces

## hand and fingertip force sensor

loadglove key features:

**loadglove** detects the **normal force** acting on sensors placed along the **hand**.

The glove can be used for applications in **ergonomics**, **manufacturing**, **quality control**, and **biomechanics**.

consist of palm sensor and up to 13 finger sensors customized as desired

measure forces between hand and most objects with reliable and precise capacitive force sensor

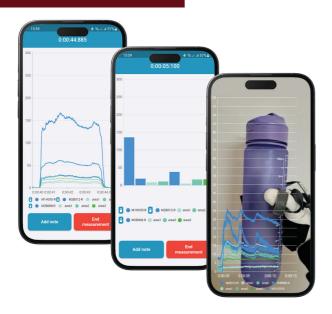
- quantify forces to design best practices and work standards for processes
- analyze mechanical properties of buttons or switches for ergonomic optimization
- enable precise work flow standards by creating thresholds and using auditory or visual feedback
- > visualize and analyze data in real-time via loadapp®

## Technical information

The loadglove is the ideal solution for mobile applications in which the load on the hand is to be monitored in daily routine. It consists of 1 loadpad sensor for the palm and 1-13 buttonsens sensors for the fingers.

	loadpad	buttonsens
dimension	90 x 80 mm	17 x 17 mm
sampling rate (Hz)	10 – 100 Hz	10 – 100 Hz
battery	48 h	48 h
force range	5 – 4300 N	5 – 170 N
accuracy	± 10%	± 10%
operating devices	iOS or Android mobile devices	iOS or Android mobile devices

## loadapp specifications



Visualize data as time series and get visual or audio feedback in realtime

Compare precise load on each sensor

Synchronize measurement with video



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