

# ergo *PAK* ErgoGLOVE Force Sensing Resistor (FSR) System

## Measure Force Under Restrictive Conditions

The newly updated wireless ergoPAK ErgoGLOVE with FSR Force Sensing Resistors is a versatile, cost effective, easy to use system to measure force between the body and external surfaces, tools, machines and components. ErgoGLOVE utilizes lightweight thin film sensors that measure force between two surfaces, or localized pressure points on fingers and hands. ergoGLOVE is designed for ergonomic, engineering, biomechanical and research applications for measuring job conditions, human performance, and tool/product testing in real time.



## Features

- With ergoGLOVE wireless hub, you can connect 1 to 4 FSR sensors to measure and collect force.
- Force Sensing Resistors are not a load cell or strain gauge device, though they have similar properties, and can provide a cost effective alternative.
- The FSR sensors can be used with the mechanics gloves with insert pockets for the sensors or finger cots included with the system. Latex or other gloves can also be used, or the sensors can be used by themselves and directly adhere to the skin or other external surfaces.
- The FSR sensors are thin, flexible and non-obtrusive and have minimal interference with performance or action.
- Wireless with Bluetooth allows for free motion and data capture within 25 feet.
- FDC FET Data Collection software captures data in real time, and is saved in .csv file format.

## Specifications

### FSR Wrist Hub

- 4 connection ports
- Wireless hub powered by rechargeable coin cell battery
- Coin cell Lithium Ion Rechargeable Battery

### Force Sensing Resistor Sensors

- Sensor active area: 0.375 inch diameter / 9.53 mm diameter
- Sensor length: 2 inches including tail
- Sensor width: 0.55 inch / 14 mm
- Sensor thickness: 0.008 inch / 0.203 mm
- Force range: maximum force Limit 100 lbs.

*Note: If FSR Force Sensing Resistor System is purchased together or as add on to the ergoPAK Portable Analysis Kit, the FDC FET data collection software is not included where already part of*

## Your Purchase Includes

- Wireless hub with 4 ports and elastic strap
- USB Bluetooth dongle
- Short cables (4)
- 16 Small disposable FSR Sensors
- (1) Pr. mechanics gloves – (1) RH / (1) LH with insert pockets on fingertips and thumb for sensors. Velcro Strips on back of glove for wire management. (Select Size – S, M, L, XL)
- Latex finger cots
- FDC FET data collection software
- Wall pack power supply
- User manual
- Warranty card
- Carrying Case
- One year standard warranty with extended warranties available

*ergoFET and ergoPAK products empowers ergonomic, engineering, and safety professionals to objectively measure and quantify human and product performance.*