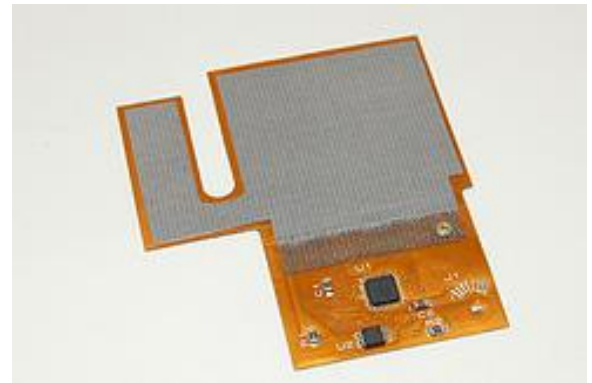




## Pressure Profile Sensing - DigiTacts

### Description

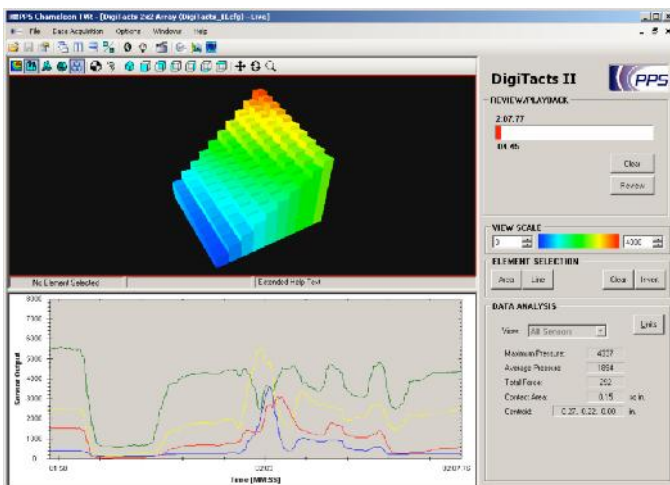
DigiTacts are the first high sensitivity capacitive sensors with a digital output. They can be embedded into products to provide instrumentation to sense user contact or control feedback in automation. The PPS proprietary technology lowers the cost-of-entry to high sensitivity tactile pressure sensing and allows them to be embedded in your application (in a discrete or evaluation format)



*Custom DigiTacts Sensor*

With its minimal circuitry and embedded microcontroller, DigiTacts-based systems can function as intelligent peripherals or control a complete device. An evaluation kit is available as a means for design engineers to accelerate the learning curve around capacitive tactile sensors with digital output, the details of which are shown below. Evaluation sensors have four 5 x 5 mm sensing elements arranged in a 2 x 2 array pattern. Sensor output can be saved and played back at anytime within the Chameleon TVR software or exported in ASCII format for additional analysis.

Quadratic and PPS will work with the client to design a DigiTacts sensor with the measurement and physical characteristics ideal for the application.



*Chameleon Software Split Screen Shot*

### DigiTacts Evaluation Kit

- Two 20 psi (140 kPa) sensors
- Rechargeable D600 interface module for USB or Bluetooth connection to PC
- USB Bluetooth adaptor
- High resolution USB webcam
- Chameleon TVR software for real-time visualisation and acquisition