

## DigiTacts™ Embeddable Tactile Sensors with Digital Output



DigiTacts 2x2 Sensor Array with D600 Interface Module

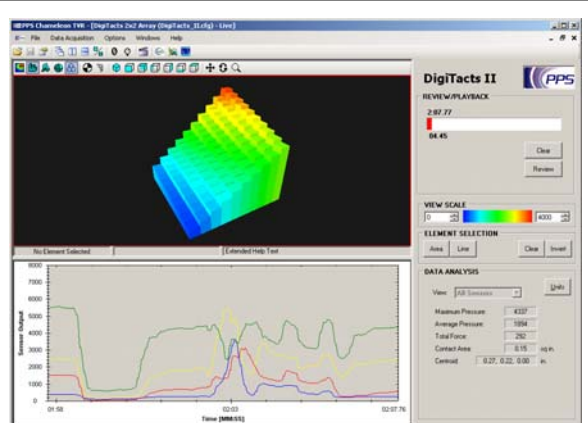
### PPS DigiTacts™ Evaluation Kit

DigiTacts sensors use capacitive-based tactile sensing elements to accurately and reliably quantify applied forces while providing a serial digital output ideally-suited for embedded applications. The Evaluation Kit is intended as an easy-to-use system for evaluating PPS sensor performance, and as a means for design engineers to accelerate the learning curve around capacitive tactile sensors with digital output.

The complete DigiTacts Evaluation Kit includes the following components:

- Four DigiTacts Sensor Arrays, two with 20 psi FSR (140 kPa), two with 100 psi. FSR (700 kPa)
- Rechargeable D600 interface module for USB or Bluetooth connection to PC
- USB Bluetooth adapter
- High-resolution USB webcam
- Chameleon TVR software for real-time visualization and acquisition

Evaluation sensors have four 5×5 mm sensing elements arranged in a 2x2 array pattern covering a total area of 10×10 mm. Sensor output can be saved and played back at anytime within the Chameleon TVR software or exported in ASCII format for additional analysis.

Specifications		Sample Screen Shot
Pressure Range:	0-20 psi (0-140 kPa), 2 sensors 0-100 psi. (0-700 kPa), 2 sensors	
Sensitivity	0.1 psi (0.7 kPa) for low-pressure sensor 0.5 psi (3.5 kPa) for high-pressure sensor	
Repeatability	< 2%	
Sample Rate:	35 Hz	
Calibration	Multi-point linear fit	
Interface	USB 2.0 or wireless Bluetooth	
Power Requirements	USB bus power or Rechargeable Li+	

Contact PPS for academic and bulk pricing