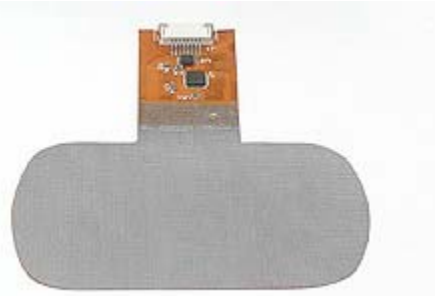


## DigiTacts™ Array Full System with Digital Output



DigiTacts II Array Sensor with 24 10mm x 10mm Elements

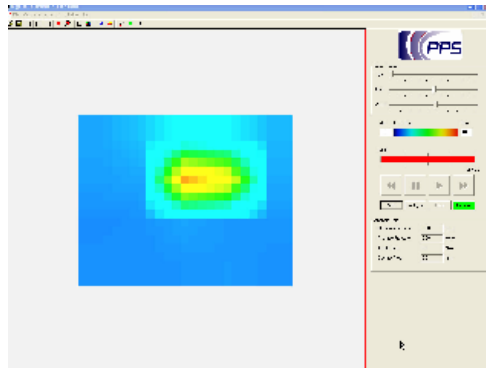
### PPS DigiTacts II™ Tactile Array Full System

PPS's Tactile Array Sensor uses capacitive-based pressure sensors to accurately and reliably quantify applied forces. The DigiTact II Tactile Array sensor has a digital output, which makes it ideal for embedded applications. The DigiTacts II sensor has 24 10mm x 10mm sensing elements, arranged in a 5-7-7-5 pattern.

The DigiTacts II Instrumentation kit is intended as an easy-to-use kit for evaluating PPS DigiTacts performance, and as a means for design engineers to accelerate the learning curve around capacitive sensors with digital output. The interface board communicates with a PC via USB and Sapphire software is used to display the output. The recorded output can also be exported to text or as a binary file that can be saved and played back at anytime.

- A ribbon cable connector and a standard ribbon cable jumper connects the sensor and interface board.
- Mini-USB connectors are provided for interfacing with the host PC.
- Sapphire Software for 2D visualization of the pressure data.

The DigiTacts Instrumentation Systems include one 24 sensing element array, USB interface board, and Chameleon visualization and acquisition software.

Instrumentation System Performance:		Sample Screen Shot
Pressure Range:	0-20 psi (0-140 kPa)	
Sensitivity	0.1 psi (0.7 kPa)	
Repeatability	< 2%	
Sample Rate:	30 Hz	
Calibration	Multi-point	
Display	Sapphire Software	
Power Requirements	USB powered	

Contact PPS for academic and bulk pricing