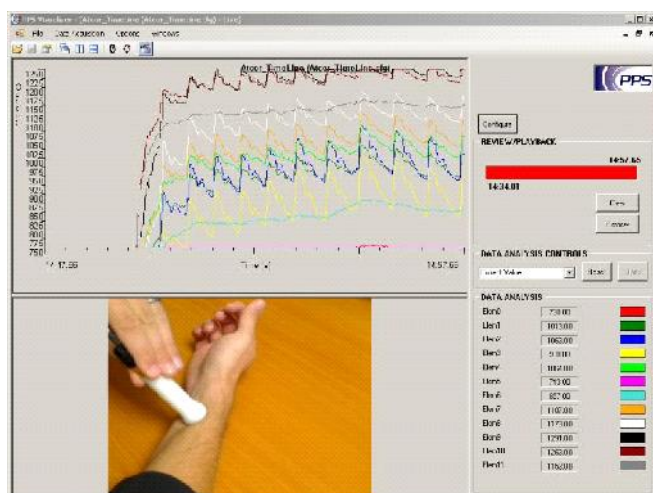# Pressure Profile Sensing - PulseTact

Description

Medical researchers and product developers have long desired a simple, non-invasive means of capturing high-fidelity pulse waveform data. The simplest solution would be to press a probe against the skin of the wrist, similar to how we measure the pulse with our fingers. With PPS technology this solution is now a reality.

PulseTact System

The system is available as an evaluation kit (described below) or a custom sensor design can be developed for your specific application with a variety of sensor layouts and probe designs, and the PPS API can be used to integrate pulse measurement into your system for product development. The standard evaluation sensor design is comprised of twelve 2.5 x 2.5 mm sensing elements arranged in a 3 x 4 array pattern. The sensor output can be saved and played back using Chameleon TVR software or exported in ASCII format for additional analysis.

Quadratec and PPS will be happy to discuss your requirements and establish a suitable product for your application. The evaluation system is typically provided with the following items:

Chameleon Software Screen Shot

PulseTact Evaluation System

- Two sensors (with attached cable to DC710 unit)

- DC710 electronics interface (Bluetooth connection to PC)

- Bluetooth dongle for PC

- TVR 2012 software

- Web camera

- USB cable (for DC710 charging)