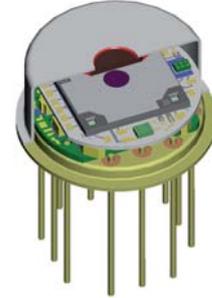


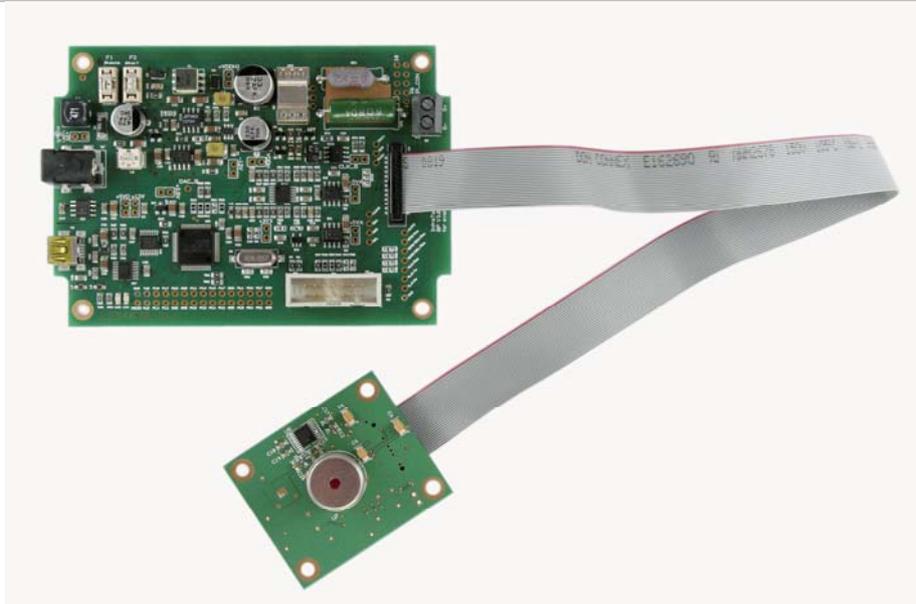
Evaluation kit for Fabry-Perot detectors

Purpose:

The kit supports customer needs for an initial test of InfraTec's Fabry-Perot detectors (FP) without having to develop test circuitry and software themselves. It allows easy control of detector and IR source with customized software to analyze the detector signals. With the help of this kit a quick and easy configuration of a simple FP spectrometer is possible.



FIGURE



CONTENT AND FEATURES OVERVIEW

It includes a basic board and a FP detector board with USB Interface, USB cable, ribbon cable, CD-ROM with test and measurement software, USB driver and a manual. The following features are integrated:

- Activation of FP detector and analysis of signals
- Activation of IR source
- Extensive configuration options including mappings of complete spectra by use of the "Fabry-Perot evaluation workbench" software

A version of this kit with one mounted LFP detector and an IR source is also available on request.

SPECIFICATION

- Power supply: 12 V DC
- Current consumption: 150 mA (without IR source)
- Integrated detector supply: ± 5 V
- Integrated FP-control voltage generation: 0-90V; 16 bit
- Control of IR source up to 800 mA DC to 500 Hz (square, 0-100 % duty cycle)
- Signal acquisition with 12 bit, 2 kHz, analysis with FFT-technique

REQUIREMENTS

- PC with Windows 2000, XP, Vista or 7
- USB 2.0 Interface
- Power supply 12 V DC (300 mA Minimum)
- FP detector and IR source



