

ezPyro™ TO Flame Detection Evaluation Kit

Introduction

The evaluation kit for ezPyro TO sensors is a great tool for early work with these devices. Mimicking the industry standard 3IR flame detector configuration, this package includes all the hardware and software needed to get started with the sensors. The user software can visualise the signals, control the programmable features of the ezPyro sensor line, and take measurements. Data is captured directly from the sensors into Comma Separated Values (CSV) files which are easy to load into virtually any software for custom post processing and analysis.

The ezPyro range of thin film digital pyroelectric sensors for flame detection combines high quality sensors with a high level of configurable electronic integration in an industry standard TO-39 package. High sensitivity combined with fast response times ensure rapid and accurate flame detection. The high dynamic range allows detection of small and large flames, nearby or over larger distances. These sensors integrate a digital, current mode read-out offering high responsivity over the full frequency range of flame flicker (3-30 Hz). Programmable gain and filtering offer maximum flexibility in system design. Industry standard I²C communication enables plug-and-play connectivity to microcontrollers and allows easy tuning and calibration. Pyreos sensors are very stable over time ensuring a long and maintenance-free operational lifespan.



Features

- ezPyro TO Flame Sensors included:
ePR44112 - 5.0 μm Long Pass
ePR44212 - 3.91 $\mu\text{m}/90\text{ nm}$
ePR44252 - 4.48 $\mu\text{m}/620\text{ nm}$
- ezPyro Evaluation Tool - PC software for readout and control of the included sensors
- Dimensions: 9 x 5 x 3.8 cm
- USB power and communications
- Coming soon: PC software for flame detection demonstration

Requirements

- Windows PC (Windows 7 or newer)
- USB A port
- .NET framework

Ordering Information

Please quote ezPyro TO Flame Detection Evaluation Kit or specific part number dPYEFL02. The kit contains: the evaluation kit (as pictured above), USB cable, USB memory stick.

Contact: sales@pyreos.com