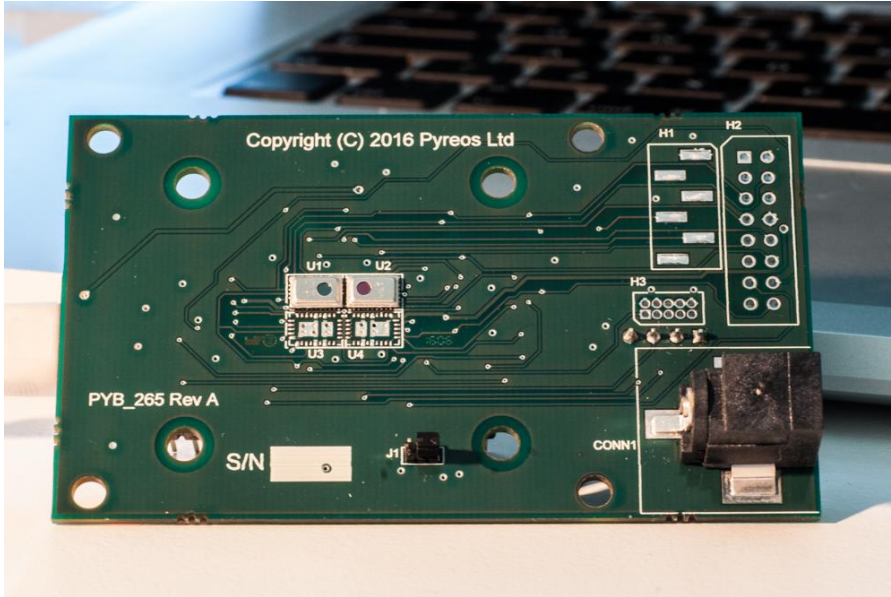


ezPyro™ SMD Evaluation Kits



The ezPyro application specific evaluation kits demonstrate the capabilities of Pyreos' innovative ezPyro digital infrared sensors. The evaluation kits consist of a main board with up to 4 ezPyro sensors and an attached controller board based on an ARM Cortex-M4 microcontroller. There are specific kits for gas, flame, motion and gesture sensing, as well as a generic kit allowing various ezPyro sensors to be plugged into a backplane board.

ezPyro evaluation kits can be connected to PC's over a micro-USB port, that can also be used to power. Supplied software enables the users to configure the sensors, visualize and record sensor signals and use basic application specific demo algorithms.

Application	Kit number	Sensor included	Sensor description	Remarks
Flame detection	dPYEFL01	ePY12111 ePY12211 ePY12241 ePY12251	1x1p – 5.00 μm LWP 1x1p – 3.91 μm / 90 nm 1x1p – 4.64 μm / 180 nm 1x1p – 4.48 μm / 620 nm	Human motion rejection General rejection channel Flame detection Flame detection
CO₂ Gas sensing	dPYEGA01	ePY12211 ePY12231	1x1p – 3.91 μm / 90 nm 1x1p – 4.26 μm / 180 nm	Reference channel CO ₂
Motion detection	dPYEMO01	ePY22111	1x1p – 5.00 μm LWP	Motion sensing
	dPYEMO02	ePY22114	2x2p – 5.00 μm LWP	Motion & motion direction sensing
Gesture detection	dPYEGE01	ePY22114	2x2p – 5.00 μm LWP	Large aperture – Long range – With Fresnel lens
	dPYEGE02	ePY22114	2x2p – 5.00 μm LWP	Small aperture – Medium range – No optics
Breakout Boards and Backplane	dPYEBB01 (base board)	Sold separately: Up to 4 Breakout boards (ePYxxxx-B1)	Depends on the breakout boards ordered	Maximum flexibility in evaluation of ezPyro sensor products. Rigid or flexible connection for easy prototyping Out-of-the box sensor readout tools

For more information contact sales@pyreos.com