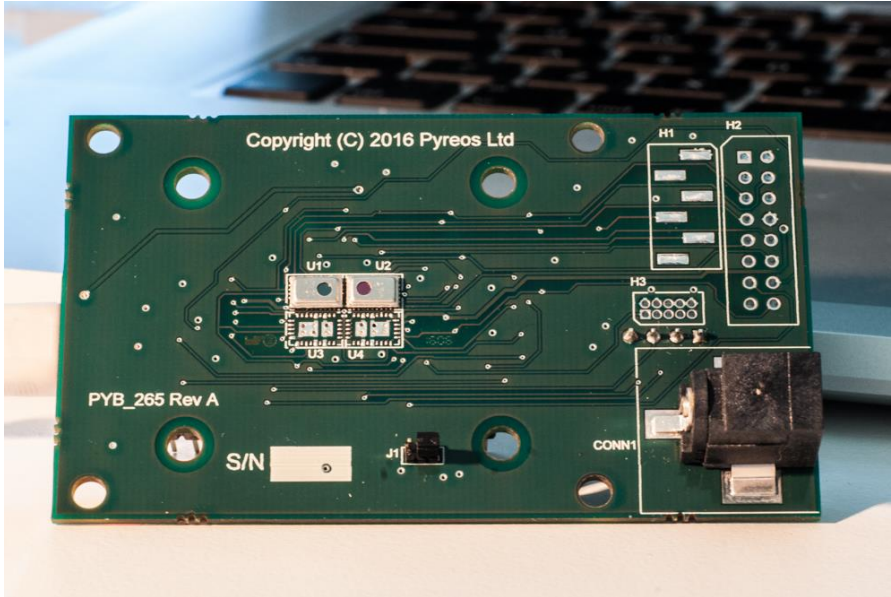


ezPyro™ Demo Kits



The ezPyro application specific demo kits demonstrate the capabilities of Pyreos' innovative ezPyro digital infrared sensors. The demo 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 demo 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 | ePY21114 | 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