



## PRODUCT SAFETY DATASHEET IR-EK2 & ECVQ-EK3 Evaluation Kits

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**Kit shown is for Infrared sensors; kit for Electrochemical sensors and Pellistors does not include flow hood (sensors not included)**

### Overview

The Evaluation PCB's allow users to evaluate and experiment with the SGX Sensortech (IS) Ltd range of electrochemical sensors, pellistors or infrared gas sensors. The kits comprise PCB, USB interface lead, CD, gas flow hood (infrared sensor kit only) and a power supply inclusive of 4 different mains plug adapters.

Refer to the Product Safety Data Sheets for the gas sensors being used. These are available on the SGX Sensortech (IS) Ltd website.

### Inherent Hazards

The PCBs contain connectors with sharp pins. Exercise care when handling.



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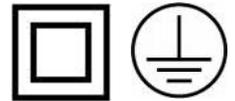
### IR-EK2 & ECVQ-EK3 Evaluation Kits

#### Transportation Hazards

No hazards exist that require special consideration for transportation as defined by the IATA Dangerous Goods Regulations.

#### Operational Hazards

- The Evaluation Kits are despatched from SGX Sensortech (IS) Ltd in a safe condition. Any unauthorised modifications may compromise safety and invalidate the warranty.
- The supplied power supply adapter is double insulated, indicated by the double square symbol. If the Evaluation kit is used with a power supply which is not double insulated, connect a Protective Earthing Connection to the Protective Earth terminal on the PCB indicated by the Protective Earth symbol in case of power supply faults.
- The Evaluation Kits are not certified as intrinsically safe and therefore must not be operated in potentially flammable or explosive atmospheres.
- The Evaluation Kits are not intended for automotive use. They do not contain protection devices against vehicle supply transient voltages and must not be used for the control of a vehicle, a vehicular safety system or in a way that may disturb the driver, data bus or statutory devices fitted to a vehicle.



#### Decommissioning

There are no additional hazards associated with the decommissioning of these devices.

#### Disposal

- SGX Sensortech (IS) Ltd declares that the Evaluation Kits comply with EC directive 2002/95/EC (the RoHS Directive) restricting the use of certain hazardous materials in electrical and electronic equipment. See the user manual for China RoHS information.
- The Evaluation Kits are classified as Electronic and Electrical Equipment according to directive 2002/96/EC (the WEEE Directive) and should be segregated from domestic waste for disposal. Contact SGX Sensortech (IS) Ltd for disposal instructions.





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### IR-EK2 & ECVQ-EK3 Evaluation Kits

#### Material Data

The following table of material data provides information to enable disposal in accordance with environmental regulations.

	Mass (kg)		Approximate Composition (% mass)									
	IR-EK2	ECVQ-EK3	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI Compounds (Cr6+)	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)	Brass	Nylon	Nitrile Rubber	Mixed Electronic Material
Evaluation Kit PCB	0.042	0.047	Z	Z	Z	Z	Z	Z	-	-	-	100%
USB Lead	0.081	0.081	Z	Z	Z	Z	Z	Z	-	-	-	100%
Power Supply Unit	0.183	0.183	Z	Z	Z	Z	Z	Z	-	-	-	100%
Gas Flow Hood	0.046	N/A	Z*	Z	Z	Z	Z	Z	53%	46%	1%	-
EU RoHS Directive Statutory limits			0.1%*	0.1%	0.01%	0.1%	0.1%	0.1%				
			Z: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the EU RoHS Directive Statutory limits									
			*For brass, the RoHS limit for lead content is 4%									

In the event of encountering difficulties in disposing of these products, contact SGX Sensortech (IS) Ltd for advice.