



**ELECTRONIC
DEVICES
LIMITED**

GAS SENSOR TYPE EDF

**COMPANY PROFILE –
RESEARCH, DESIGN,
DEVELOPMENT, MANUFACTURE,**

Centrally located in Worcestershire in the shadow of the Malvern Hills, Electronic Devices Ltd. is ideally positioned for rapid delivery to all corners of the UK and via Birmingham International Airport to Europe and the World.

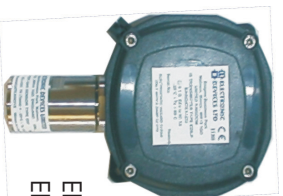
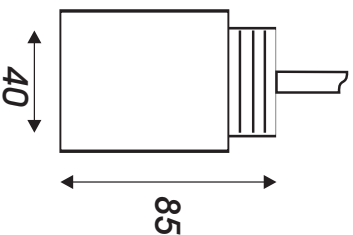
Our Engineering based Company established twenty five years ago to satisfy specific high reliability GAS EMERGENCY SHUTDOWN DETECTION requirements, has since expanded into FIRE DETECTION, ESD and HAZARDOUS AREA Equipment; particularly for applications where robustness and operator safety combined with economy is paramount.

Pioneers of the application of general purpose semi-conductor sensors, our knowledge of where and how to exploit their advantages is probably unsurpassed. We are now in a unique position to supply electro-chemical cells pellistors or semi-conductor sensors in Flameproof and Intrinsically Safe format to the highest safety coding. Circuitry techniques evolved and proved over many years enable us to satisfy high specification applications while maintaining competitive solutions to safety legislation problems.

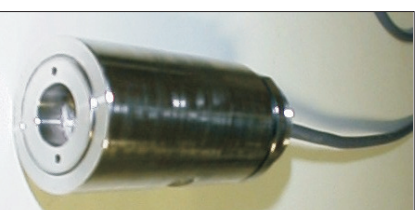
The majority of our staff have grown with us allowing in depth support to ensure client satisfaction.

Inspection of our customer base reassures potential end users of our status as leading designers, manufacturers and suppliers, all in-house; of high quality GAS, FIRE and HAZARDOUS AREA equipment. Major approvals held are LLOYD'S REGISTER OF SHIPPING, UK DEPARTMENT OF TRANSPORT (MCA), and BASEEFA, all to the highest standards.

Meeting BASEEFA (EECS) Quality Assurance standards, our highly motivated, owner-led workforce



EDF GAS SENSOR COMPLETE WITH
EDSC INTRINSICALLY SAFE TRANSMITTER

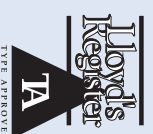


assures our valued, regular customers of the satisfaction of installing high quality, reliable British safety equipment.

FEATURES

- Our unique ability to provide any combination of Pellistor, Electro Chemical or Semiconductor sensors in Intrinsically Safe or Flameproof configuration allows Electronic Devices to advise on a particular application without commercial bias; a valuable service to our clients.
- Flammable or Toxic gas detection from a long established engineering company with extensive experience in harsh environment instrumentation.
- Full Quality Assurance to special high specification Baseefa2001 requirements, Certificate No. 0344
- Our sensors can be supplied with a range of Safe Area control units which are detailed in separate leaflets.

Approved By:



Approved by
Lloyd's Register
of Shipping.

D.Tp.

The Department
of Transport.



Baseefa2001
Certified
Flameproof
II 2 G EEx d IIC T6
Intrinsically Safe
via



Quality Assurance
to Baseefa2001
Regulations
Certificate
Number: 0344

A LIST OF THE MOST COMMONLY DETECTED GASES AND SENSOR TYPES AVAILABLE FROM ELECTRONIC DEVICES LIMITED (JUNE 2005).

THIS LIST IS A SUMMARY, IF A PARTICULAR GAS OR CONCENTRATION IS NOT LISTED CONTACT ELECTRONIC DEVICES
 ELECTRONIC DEVICES CANNOT GUARANTEE THE AVAILABILITY OF CALIBRATION GAS
 ELECTRONIC DEVICES ADVISE THE STUDY OF COSHH REGULATIONS AND THE EH40 OCCUPATIONAL EXPOSURE LIMITS LIST AVAILABLE FROM THE HSE

GAS	RANGE	SENSOR TYPE	HAZARDOUS AREA CERTIFIED PART No.	UNCERTIFIED PART No.	REPLACEMENT CELL (IS ONLY)	NOTES
ACETYLENE	0-100% LEL	SEMICONDUCTOR	EDF 1B	EDP1B		
ACETONE	50-1000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
ACRYLONITRILE	10-1000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
AMMONIA	0-100PPM	ELECTROCHEMICAL	EDF 5C 100	ED 5C 0-100 NON IS	5C 0-100	Require Head Electronics
AMMONIA	0-1000PPM	ELECTROCHEMICAL	EDF 5C 1000	ED 5C 0-1000 NON IS	5C 0-1000	Require Head Electronics
AMMONIA	5000-10000PPM (1.0%VOL)	SEMICONDUCTOR	EDF 1B	EDP1B		
AMMONIA	5000-10000PPM (1.0%VOL)	CATALYTIC	EDF 9C			Require Head Electronics
BENZENE	10-1000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
BUTANE	0-100% LEL	SEMICONDUCTOR	EDF 1B	EDP1B		
CARBON MONOXIDE	0-500PPM	ELECTROCHEMICAL	EDF 7C 500	ED 7C 0-500 NON IS	7C 0-500	Require Head Electronics
CARBON MONOXIDE	0-1000PPM	ELECTROCHEMICAL	EDF 7C 1000	ED 7C 0-1000 NON IS	7C 0-1000	Require Head Electronics
CHLORINE	0-50PPM	ELECTROCHEMICAL	EDF CL2 50	ED CL2 50 NON IS	CL2 50	Require Head Electronics
CHLORINE	0-100PPM	ELECTROCHEMICAL	EDF CL2 100	ED CL2 100 NON IS	CL2 100	Require Head Electronics
DIMETHYL AMINE	50-500PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
ETHANE	50-10,000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
ETHYLENE	500-3000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
ETHANOL	500-10,000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
ETHYLENE OXIDE	500-1000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
FREON 22	500-10000PPM	SEMICONDUCTOR	EDF 3B	EDP3B		
FREON 11,12,21,113	500-10000PPM	SEMICONDUCTOR	EDF 3B FIG	EDP3B FIG		
FREON 404A, 407C	1000-10000PPM	SEMICONDUCTOR	EDF 3B FIG	EDP3B FIG		
FREON 134A, 143A	1000-10000PPM	SEMICONDUCTOR	EDF 3B FIG	EDP3B FIG		
HEXANE	50-5000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
HYDROGEN	50-1000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
HYDROGEN	0-10000PPM	ELECTROCHEMICAL	EDF H2 1%	ED H2 1% NON IS	H2 1%	Require Head Electronics
HYDROGEN	0-40000PPM	ELECTROCHEMICAL	EDF H2 4%	ED H2 4% NON IS	H2 4%	Require Head Electronics
HYDROGEN SULPHIDE	0-100PPM	ELECTROCHEMICAL	EDF 4C 100	ED 4C 100 NON IS	4C 100	Require Head Electronics
HYDROGEN SULPHIDE	0-200PPM	ELECTROCHEMICAL	EDF 4C 200	ED 4C 200 NON IS	4C 200	Require Head Electronics
HYDROGEN SULPHIDE	0-500PPM	ELECTROCHEMICAL	EDF 4C 500	ED 4C 500 NON IS	4C 500	Require Head Electronics
HYDROGEN CHLORIDE	0-30PPM	ELECTROCHEMICAL	EDF HCL 30	ED HCL 30 NON IS	HCL 30	Require Head Electronics
HYDROGEN CYANIDE	0-30PPM	ELECTROCHEMICAL	EDF HCN 30	ED HCN 30 NON IS	HCN 30	Require Head Electronics
HYDROGEN FLUORIDE	0-10PPM	ELECTROCHEMICAL	EDF 10C 10	ED 10C 10 NON IS	10C 10	Require Head Electronics
METHANE	0-100%LEL	SEMICONDUCTOR	EDF 2B	EDP2B		
METHANE	0-100%LEL	CATALYTIC	EDF 8C			Require Head Electronics
METHANOL	50-500PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
METHYL ACETATE	50-500PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
METHYL CHLORIDE	10-1000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
METHYLENE CHLORIDE	50-1000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
METHYL ETHER	500-3000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
METHYL ETHYL KETONE	50-200PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
METHYL MERCAPTAN	50-3000PPM	SEMICONDUCTOR	EDF 2B	EDP2B		
NITROGEN DIOXIDE	0-50PPM	ELECTROCHEMICAL	EDF NO2 50	ED NO2 50 NON IS	NO2 50	Require Head Electronics
NITROGEN OXIDE	0-100PPM	ELECTROCHEMICAL	EDF NO 100	ED NO 100 NON IS	NO 100	Require Head Electronics
PENTANE	50-5000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
PROPANE	500-10000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
VINYL CHLORIDE	50-1000PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
SULPHUR DIOXIDE	0-10PPM	ELECTROCHEMICAL	EDF SO2 10	ED SO2 10 NON IS	SO2 10	Require Head Electronics
SULPHUR DIOXIDE	10-500PPM	SEMICONDUCTOR	EDF 2B	EDP2B		
TRICHLOROETHANE	20-400PPM	SEMICONDUCTOR	EDF 1B	EDP1B		
TRICHLOROETHYLENE	50-3000PPM	SEMICONDUCTOR	EDF 3B FIG	EDP3B FIG		

EDF sales 2/2 16-04-06



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