

EDSC I.S TRANSMITTER



The EDS/C Intrinsically safe series of transmitters are available for a wide range of toxic gases using the latest technology electrochemical cells. ATEX certified Intrinsically safe for use in zones 0, 1 and 2.

Highly specific models include Ammonia, Carbon Monoxide and Hydrogen Sulphide. The EDS/C is designed to interface directly with Electronic Devices Intrinsically Safe control panels including the low cost type approved ED810 (see below for all compatible panels).

Gas sensors available (Stock items):

Ammonia, Carbon Monoxide and Hydrogen Sulphide.

Gas sensors available (To order):

Chlorine, Chlorine Dioxide, Fluorine, Hydrazine, Hydrogen, Hydrogen Chloride/ Hydrogen Bromide, Hydrogen Cyanide, Hydrogen Fluoride, Nitric Oxide, Nitrogen Dioxide, Ozone, Phosgene, Silane, Sulphur Dioxide, Tetrahydrothiophene.

For Flammable & CO₂ gases contact ED for appropriate Sales information



SPECIFICATIONS & APPROVALS

CERTIFICATION:

Intrinsically Safe (ATEX) EEXIA IIC T4 for use in NEC (Class 1) divisions 1 and 2, groups A, B, C and D. Can elec zones 0, 1 and 2. Groups IIA, IIB and IIC

OPERATING TEMPERATURE RANGE:

-20 to +40C

-40 to +40C (for Ammonia)

OPERATING HUMIDITY RANGE:

15 - 90% Rh Continuous

0 - 99% Non-condensing

GAS TYPES: Ammonia, Carbon Monoxide and Hydrogen Sulphide and more see description above.

EDS/C Ammonia: 0-100ppm
0-1000ppm
0-5000ppm

EDS/C Carbon Monoxide 0-100ppm
0-500ppm

EDS/C Hydrogen Sulphide 0-25ppm
0-100ppm

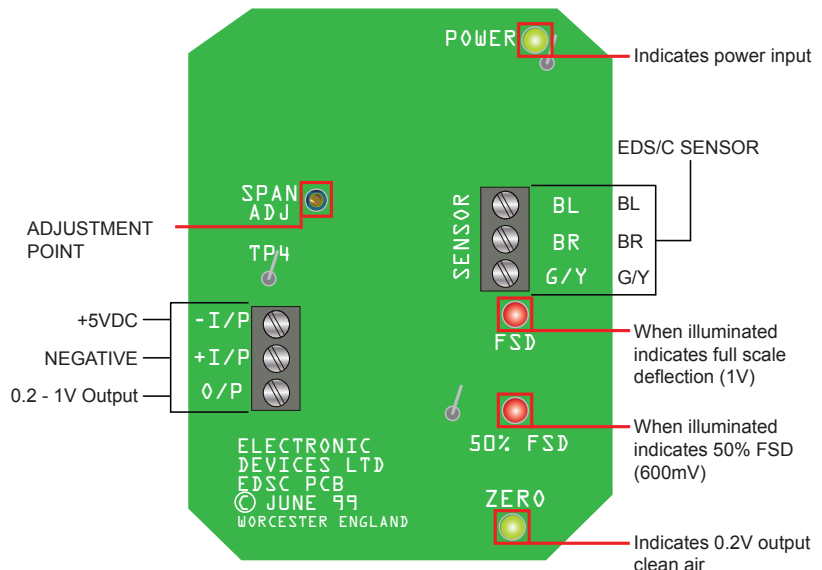
RESPONSE TIME T90: < 40 seconds

POWER INPUT VOLTAGE:

5 VDC (Via Zener Barrier)

POWER INPUT CURRENT: < 50mA

CONNECTIONS DIAGRAM



COMPATIBLE CONTROL PANELS

ED810 - DC Input
ED811 - AC Input

ED910
ED510
ED700

OPTIONAL EQUIPMENT

A splash protector can be added to improve the longevity of the sensor when used outside.

A calibration kit can be supplied to allow the sensor to be maintained or tested by on site engineers.