



## Infra-red carbon dioxide transducer



### Benefits and features:

**Enhanced design:**

Featuring an improved dual beam sensor for additional stability.

**Pressure sensor:**

The 5S Mk III now includes an onboard, barometric pressure sensor compensating for the effect of atmospheric pressure.

**Versatile:**

Customised versions are available for specific markets such as diving analysers, industrial process monitoring and gas analysis. OEM versions are also available.

### Specifications:

Range	Resolution
0 to 5000ppm	2ppm
0 to 10000ppm	5ppm
0 to 1%	0.0005%
0 to 2%	0.001%
0 to 5%	0.002%
0 to 10%	0.005%
0 to 20%	0.01%
0 to 100%	0.05%

**Warm up time**

30 seconds

**Response time**

T90 in <30 seconds

**Storage temp**

-20 to +70°C

**Enclosure**

Die cast Aluminium

**Operating temp**

-5 to +55°C

**Humidity**

0 to 99RH% Non Condensing

**Flow range**

0.1 to 2 l/min

**Power supply**

9 to 36VDC

**Pressure range**

700 to 1300 mbar absolute

**Output**

0 to 2VDC into load of >1000 Ohms or

4 to 20mA into load of <400 Ohms

**Dimensions**

115 x 65 x 40 (mm) - excluding protrusions

Accuracy varies depending on the configuration of the optical bench, but is always better than  $\pm$  (1% of the sensor's full scale plus 2% of the sensor reading plus 0.1% of the sensor's full scale per degree C of temperature shift from calibration temperature)

Analox has a policy of continuous improvement and we reserve the right to upgrade or change specifications without prior notice. Full technical specifications are available upon request.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



**UK Office**

**Keison Products,**

**P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.**

**Tel: +44 (0)330 088 0560**

**Fax: +44 (0)1245 808399**

**Email: [sales@keison.co.uk](mailto:sales@keison.co.uk)**

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.