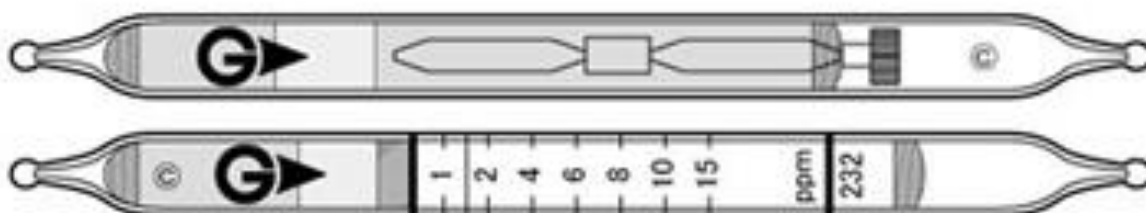


## Gastec Tube Datasheet

**Dichloroethane  
1,2**

C1CH2CH2Cl

**No. GAS232**



### Performance

Measuring Range	1 to 15 ppm	15 to 39ppm
Sampling Rate	200ml (200ml)	100ml/min (100ml)
Correction Factor	1	2.6
Sampling Time	4 min	2 min

**Detecting limit:** 0.25 ppm (2 pump strokes)

**Colour change:** White → Pale purple

**Corrections for temperature & humidity:** Temperature correction is necessary

**Relative standard deviation:** 15 % (for 1 to 4 ppm, 10 % (for 4 to 15 ppm)

**Shelf life:** Up to 1 year in the refrigerator

### Reaction Principle

$C1CH2CH2Cl + OrO3 \rightarrow H2S2O7 \rightarrow Cl2$

$Cl2 + 3,3\text{-Dimethylnaphthidine} \rightarrow \text{Reaction product}$

### a1-cbiss Ltd

5 Valiant Way, Lairdside Technology Park, Tranmere, CH41 9HS

[www.a1-cbiss.com](http://www.a1-cbiss.com) | [sales@a1-cbiss.com](mailto:sales@a1-cbiss.com) | Tel: +44(0)151 666 8300 | Fax: +44(0)151 666 8329

VAT No: 539 5178 13 Company Reg No: 2414633



Certificate No 996  
ISO 9001, ISO 14001  
OHSAS 18001



The people with the solutions that protect you and your environment everyday

**Possible coexisting substances and their interferences**

Substance	Concentration	Interference	Changes Colour by Itself to
Carbon dioxide		No	No
Chlorine	$\geq 0.5$ ppm	+	Pale purple ( $\geq 0.15$ ppm)
Chloropicrin	$\geq 0.3$ ppm	+	Pale purple ( $\geq 2$ ppm)
Chloroform	$\geq 2$ ppm	+	Pale purple ( $\geq 2$ ppm)
Carbon tetrachloride	$\geq 5$ ppm	+	Pale purple ( $\geq 15$ ppm)
1,2-Dichloroethylene	$\geq 1$ ppm	+	Pale purple ( $\geq 0.3$ ppm)
Methyl bromide	$\geq 0.1$ ppm	+	Pale purple ( $\geq 0.1$ ppm)

**Calibration gas generation**

Diffusion tube method

**a1-cbiss Ltd**

5 Valiant Way, Lairdside Technology Park, Tranmere, CH41 9HS

[www.a1-cbiss.com](http://www.a1-cbiss.com) | [sales@a1-cbiss.com](mailto:sales@a1-cbiss.com) | Tel: +44(0)151 666 8300 | Fax: +44(0)151 666 8329

VAT No: 539 5178 13 Company Reg No: 2414633



Certificate No 996  
ISO 9001, ISO 14001  
OHSAS 18001