**Gastec Tube Datasheet**

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| **Phosphine** | PH3 |  | **NO.GAS7H** |
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| **Performance** |

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| **Measuring Range** | 200 to 2500ppm | 2500 to 5500 ppm |
| **Pump Strokes** | 1 | 1/2 |
| **Correction Factor** | 1 | 2.2 |
| **Sampling Time** | 1.5 minutes per pump stroke | |
| **Detecting Limit** | 5 ppm (n = 1) | |
| **Colour Change** | White Dark Brown | |
| **Reaction Principle** | Phosphine reacts with palladium to produce blackish discolouration | |
| **Coefficient of Variation** | 10% (for 200 to 800 ppm), 5% (for 800 to 2500 ppm) | |
| **Shelf Life** | Up to 2 Years | |
| **Corrections for  temperature & humidity** | Temperature correction is necessary | |
| **Store the tubes at cool and dark place.** | | |

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| **Possible coexisting substances and their interferences** |  |

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| **Substance** | **Concentration** | **Interference** | **Change colour by itself** |
| Ammonia | ≤2500 ppm | No error | No discolouration |
| Carbon Monoxide | - | Plus error | Produces dark brown stain |
| Carbon Dioxide | ≤2% | No error | Produces dark brown stain |

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| **Calibration gas generation** | High pressure gas cylinder method |