

## Gas Leak Detector

XP-703DIII



Model	XP-703DIII
Gas Detected	Hydrogen, Arsine, Diborane, Silane and Phosphine
Detection Principle	Hot-wire semiconductor sensor
Sampling Method	Extractive
Weight	Approx. 190g (including batteries and soft case)

To detect trace amounts of various semiconductor manufacturing gases.

### Applications

- For gas leak inspection at semiconductor factory where there is toxic gas.
- Safety for hydrogen-related equipment.

### Features

- Can detect trace amounts of various semiconductor manufacturing gases.
- Automatic stop pump function
- Automatic gas exhaust mode
- Equivalent to IP22 (in soft case)

### Specifications

Model	XP-703DIII
Gas Detected	Hydrogen, Arsine, Diborane, Silane and Phosphine
Detection Principle	Hot wire semiconductor sensor
Sampling Method	Extractive
Detectable Leak Rate	H <sub>2</sub> : 5.07 x 10 <sup>-7</sup> , AsH <sub>3</sub> : 2.53 x 10 <sup>-7</sup> , B <sub>2</sub> H <sub>6</sub> : 1.01 x 10 <sup>-7</sup> , SiH <sub>4</sub> : 2.53 x 10 <sup>-7</sup> , PH <sub>3</sub> : 1.52 x 10 <sup>-7</sup>
Detectable Gas Concentration	H <sub>2</sub> : 1.0ppm, AsH <sub>3</sub> : 0.5ppm, B <sub>2</sub> H <sub>6</sub> : 0.2ppm, SiH <sub>4</sub> : 0.5ppm, PH <sub>3</sub> : 0.3ppm
Response Time	Within 10 seconds (for 300% of detectable gas concentration)
Power Supply	Size AA alkaline batteries x 2
Battery Life*1	Approx. 12 hours (with size AA alkaline batteries)
Degree of Protection	Equivalent to IP22
Operating Pressure	Atmospheric pressure (800 to 1100 hPa)
Operating Temperature/Humidity	0 to +40°C Less than 85%RH (with no condensation)
Dimensions	Approx. W38 x H130 x D32 mm (excluding protrusions)
Weight	Approx. 190g (including batteries and soft case)
Accessories	Soft case, Drain Filter, Replacement Filter, Gas Probe, Dust Filter, Hand Strap, Size AA Alkaline Battery x 2, etc.

\*1 It may vary based on the environmental conditions, operating conditions, storage time, battery manufacturer, etc.