

COMBUSTIBLE GAS DETECTOR

GAS LEAK DETECTOR XP-703DIII



Toxic
gas



Hot wire
semiconductor
sensor



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-703D III
Target Gas	H ₂ , AsH ₃ , B ₂ H ₆ , SiH ₄ , PH ₃
Detection Principle	Hot-wire semiconductor sensor
Sampling Method	Extractive type
Detectable Leak Rate	H ₂ : 5.07 × 10 ⁻⁷ , AsH ₃ : 2.53 × 10 ⁻⁷ , B ₂ H ₆ : 1.01 × 10 ⁻⁷ , SiH ₄ : 2.53 × 10 ⁻⁷ , PH ₃ : 1.52 × 10 ⁻⁷
Detectable Gas Concentration	H ₂ : 1.0ppm, AsH ₃ : 0.5ppm, B ₂ H ₆ : 0.2ppm, SiH ₄ : 0.5ppm, PH ₃ : 0.3ppm
Response Time	Within 10 seconds (for 300% of detectable gas concentration)
Power Supply	Size AA alkaline batteries × 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 and Humidity	0 to 40 degrees C Less than 85% RH (with no condensation)
Dimensions	Approx. 38 (W) × 130 (H) × 32 (D) 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 × 2, etc.,

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