

Smart gas monitoring with the F12D and F12iS toxic gas detectors.

Monitor over 60 different gases and vapours with interchangeable smart gas sensors.



F12D Toxic Gas Detector

ATI's F12D Toxic Gas Detector is designed to measure more than 60 toxic gases, featuring the H10 smart gas sensor and our exclusive AutoTest function that provides daily, reliable response checks to ensure system integrity. The F12D is highly customisable to suit almost every fixed-mount toxic gas application.



Our F12 range of gas detectors provide useful features that simplify installation, operation, and maintenance. The 4-button keypad is used to configure the menu-driven setup pages. The display also provides alarm indication and complete menus for setting up operating parameters.

The F12 fixed monitor has a built-in data logging facility for historical data capture, which can then be used to prove or disprove claims of exposure. The system gives 'peace of mind' to the health & safety staff, proving that all stakeholders are protected with alerts or if limits are exceeded.

F12iS (Intrinsically Safe) Toxic Gas Detector

ATI's F12iS Toxic Gas Detector is designed to measure toxic gases and oxygen in hazardous locations requiring an Intrinsically Safe (IS) device. While operating at intrinsically-safe power levels, the F12iS is also available with our exclusive AutoTest feature that verifies sensor function daily, virtually eliminating the need for manual bump-tests.

F12D and F12iS Applications

- Wastewater treatment plants
- Chemical plants
- Pharmaceutical and medical
- Semiconductor fabrication
- Food processing
- Mineral processing
- Gas processing
- Petroleum refining

F12D and F12iS Key Benefits

- 60 different interchangeable smart gas sensors
- AutoTest sensor verification*
- Heated sensor option
- Remote sensor capability
- Internal data logger

Features & Specification

- Interchangeable sensors accommodating 60 different gas modules
- Sensor verification with AutoTest function
- Test history is stored in sensor memory
- LCD Graphic Display
- Remote sensor junction box with digital output allows sensor location up to 500 ft. from the F12D
- Internal data logger stores gas values at user defined intervals from 1 to 60 minutes
- Calibration history and calibration adjustments of zero and span are stored in sensor memory
- CE and RoHS Compliant

H10 Smart Gas Sensor
Advanced smart sensor technology



Each of ATi's smart sensor modules is a sensor, amplifier and memory module in one compact package. Sensor modules can be calibrated independently and simply plugged into any of our smart detectors for immediate use. When installed in a gas detector, calibration data is loaded into the microprocessor so that no adjustments are needed. The result is a gas detector that can go from measuring anything from phosgene to ammonia in less than one minute.

Sensors can be calibrated using a spare unit to avoid using calibration gases in the plant. Sensors may also be returned to ATi for factory calibration, which is useful for gases that are costly or difficult to obtain. Each sensor adjustment (zero or span) is stored in the sensor memory and can be reviewed on the F12D or F12iS display. This data is very useful in assessing the sensor's condition and estimating remaining sensor life.



F12D monitoring chlorine gas in dosing room with traffic light warning system.



AutoTest

ATi is the only manufacturer in the world that offers the pioneering and exclusive AutoTest verification system for the measurement of toxic gases. Fitted to our F12D and F12iS gas detection solutions*, the patented design automatically checks itself daily with self-generated gas, allowing for safer and more confident monitoring - far exceeding all health and safety regulations. This unique feature is designed to detect and monitor potentially hazardous toxic and flammable gas leaks, ensuring the safest possible working environment. It provides an early-warning alarm if gas escapes, allowing for timely remedial or protective actions to be undertaken.

The F12 range 'holds' all alarms and outputs when the AutoTest is being performed, meaning that there are no triggered high gas alarms to worry about. The system automatically turns the hold 'off' once completed. If there is a gas leak whilst the AutoTest is being performed, the level of gas will override the hold function on the unit and therefore alarm out as normal.



AutoTest Module

This exclusive AutoTest feature means that the F12D and F12iS are amongst some of the safest gas detection monitors in the world.

ATi is a leading provider of engineered, analytical sensor monitoring solutions to the water and gas industry. Our pioneering and industry leading range of Network Monitors, Water Quality Monitors and Gas Detectors provide innovative solutions for the most demanding of applications.

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