

# TOMIGUNN BLACK BOX

Maximum Performance Photoacoustic Infrared Monitoring for Ammonia Removal



Detection  
to 1 PPM

Photoacoustic Infrared Technology Enhances Selectivity & Sensitivity for Owner/Operators of Commercial Poultry Operations.

- Provides highly selective, very sensitive 1 ppm detection for ammonia.
- Meets ANSI/ASHRAE Standards 15 & 147, and all Mechanical, Fire & Building codes
- Single or multigas
- Single or multipoint sensing
- Alerts service personnel
- Features remote notification
- Controls exposure risk

**BLACK BOX**  
Powered by Haloguard®

Complete contact information at  
**TOMIGUNN.COM**

# BLACK BOX

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## Highly Selective, Very Sensitive 1 ppm Photoacoustic Infrared, 24-hour Ammonia Detection & Notification

TOMIGUNN BLACK BOX combines advanced microprocessor-based digital signal processing and a highly selective and sensitive photoacoustic infrared cell to provide the newest, most sensitive system for continuous monitoring of ammonia.

TOMIGUNN BLACK BOX monitors single or multiple, local and remote locations and provides notification when gas concentration reaches preset alarm levels. Add individual, simultaneous monitoring of up to 3 different gases and up to 24 sample points by adding optional channel scanners and remote IR modules.

Alarm relays and analog outputs are designed to activate remote devices or to interface with your in-house controller.

### Features

- Detects ammonia gas
- Simple installation
- Factory calibrated & programmed
- Up to 500 ft. sample draw
- Six user-adjustable alarms between 10 ppm & 100% of scale, one Fault Alarm
- LCD shows PPM Concentration, Alarm, Test, Reset, and Fault Diagnostics
- Three flashing alarm level LED's
- Fault, Ready & Power ON/OFF LED's
- Seven alarm relays for ventilation, damper or remote notification
- Alarm Test & Reset/Silence push buttons
- High-intensity audible alarm
- Rugged enclosure

### Options

- 2, 4, 6, or 8 channel scanner
- Analog output for BAS/EMS interface or data logging
- Remote IR sensor modules allow up to 24 sensing points
- Oxygen depletion sensor
- Amber strobe light alarm
- Remote strobe light & horn alarms
- Vacuum fluorescent display
- NEMA 4 enclosure

## Please contact TOMIGUNN

at +1 864 705 3653 or [info@tomigunn.com](mailto:info@tomigunn.com) for pricing and additional information.

Mailing Address: 535 John Ross Court, Pelzer, SC 29669  
See more at [www.tomigunn.com](http://www.tomigunn.com)



### Specifications

Specifications Technology: Photoacoustic Infrared  
Electrical Supply: 100-240V, 50-60Hz, 65W  
Fuse: 3A/240V, fast acting  
Output Signal Std: 7 x 10A, dry contact SPDT relays  
Opt: 0-5,10VDC, 4-20mA analog Opt: BACnet Interface Module  
Sensitivity: 1 ppm  
Resolution: 1 ppm  
Measuring Range: 0 - 1000 ppm all refrigerants  
Response Time: <1 minute per channel  
Clearing Time: <2 minutes per channel  
Maximum Sample Point Tubing Length 150' with standard performance. 500' optional where slower response is acceptable.  
Operating Conditions: 32°F to +120°F, (0°C to +50°C) non-condensing  
Enclosure, Weight  
Std NEMA 12, 24 lbs  
Opt NEMA 4, 28 lbs  
Sample Rate: 1.5 Lpm in free air

Electrical Safety Conforms to UL/CSA/EN 61010-1  
Electromagnetic Compatibility Conforms to FCC Part 15 B, ICES-003:ISSUE 5, ANSI C63.4:2009 and EN 61326-1



### Warranty

TOMIGUNN BLACK BOX is guaranteed for 18 months from the date of shipment. Any device found defective in that period will be repaired or replaced free of charge. Read terms and conditions of sale for complete warranty information.

