

Caroline **FXY**

**Reliable and cost-effective
continuous monitoring for
methane, methanol, SF₆, SO₂,
refrigerants and more**

Caroline FXY integrates the latest technology in uncooled infrared detectors, offering consistent, cost-effective and error-free performance. It is the most complete system for continuous monitoring of environments involving methane, methanol, sulfur dioxide, sulfur hexafluoride, ammonia, VOC's and refrigerant gas leaks while also providing flame detection, intelligent thermography, and surveillance to further boost security.



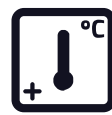
Gas
Detection



Gas
Quantification



Surveillance



Intelligent
Thermography



Flame
Detection



RedLook Camera
AI Analytics



Integration
Rest API, Cloud Services, IoT



ATEX Zone I
Housing Available



Instant &
Accurate Alarms



Automatic
Reporting

REDLOOK

Caroline FXY is a part of our AI-powered RedLook solution for exhaustive continuous monitoring and real-time alerting. RedLook is highly versatile, allowing operators to configure several Regions of Interest (RoI) within the area to be autonomously monitored. RedLook can assign a functionality to each configured RoI, granting a complete and safe surveillance of the installation.

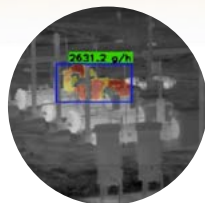


Technology Data Sheet



Instant gas visualization

Simply set up a ROI then instantaneously detect, visualize and quantify gas leaks.



AI-powered flow rate quantification

Accurate gas flow rate quantification based on our established neural networks and scenario based training



Hot spot saturation

Simultaneously monitor operating temperatures of components



Temperature indicator

Shows the precise temperature value of elements shown in the center of the screen.

Specifications

| | |
|-----------------------|---|
| FPA | Uncooled 640 x 480 px |
| Pixel Pitch | 17 µm |
| NETD | <22mK @ +30°C |
| Spectral Region | 7 to 14 |
| Lenses | 50 mm 35 mm 20 mm |
| Zoom | Digital Zoom |
| Accuracy | ± 0°C (from 0°C to 60°C Scene Temp.) |
| Data Protocol | GigE 9 Hz / 25 Hz |
| Power | <3 watts; PoE (power over ethernet) 9v-48v |
| Weight | 2,8 kg |
| Size | 97 x 110 x 330 mm |
| Operating Temp. Range | -20°C to +50°C |
| Storage Temp. Range | -40°C to +71°C |
| Certifications | IP66 (EN 60529) EMC (EN 61326:2013) II 3G Ex ec IIC T4 Gc -20°C ≤ Tamb ≤ +50°C EN 60079-0:2012 + A11:2013; EN 60079-7:2015 |

Caroline FXG Gases detected

| | |
|----------------------|---------------------|
| 1,3-Butadiene | Phenol |
| Acetic Acid | Propylene |
| Acrolein | R11 |
| Acrylic Acid | R12 |
| Ammonia | R123 |
| Ethanol | R125 |
| Ethyl Hexyl Acrylate | R13 |
| Ethylene | R134A |
| Ethylene Glycol | R13B1 |
| Ethylene Oxide | R417A |
| Isoprene | R422A |
| Methane | R508A |
| Methanol | Sulfur Dioxide |
| Nitrogen trifluoride | Sulfur Hexafluoride |
| Nitrous Oxide | Vinyl Chloride |

Features under demand

| | |
|-----------------------|--------------------------------|
| Scanning | Pan & Tilt |
| Temperature Range | Customized |
| Relay | Hot relay contact on site |
| Auxiliar Power Supply | 12 VDC (instead of PoE) |
| Communication | Wireless Supported |
| SMART Model | Contact us for further details |
| Atex Housing Zone 1 | |

Specifications are subject to change.

For the most up-to-date specifications, please email us: contact@sensia-solutions.com

HEADQUARTERS

SENSIA Solutions S.L.
Calle Margarita Salas,12
28919 Leganés, Madrid

+34 91 055 92 90

www.sensia-solutions.com

contact@sensia-solutions.com

QUALITY POLICIES

