SENSIA

Caroline **Y**

Uncooled Quantitative OGI for Methane

Caroline Y is SENSIA's latest model of Quantitative Optical Gas Imaging (QOGI) for the cost-effective detection of fugitive emissions of methane (CH4), SO_2, and VOC leaks. It integrates a spectrally optimized high-resolution uncooled detector that can perform gas detection and quantification for a fraction of the cost of cooled technology.

Leak Rate Quantification

ATEX Certification

Wireless Connectivity

High Resolution and Bright Touchscreen

Effortless Reporting

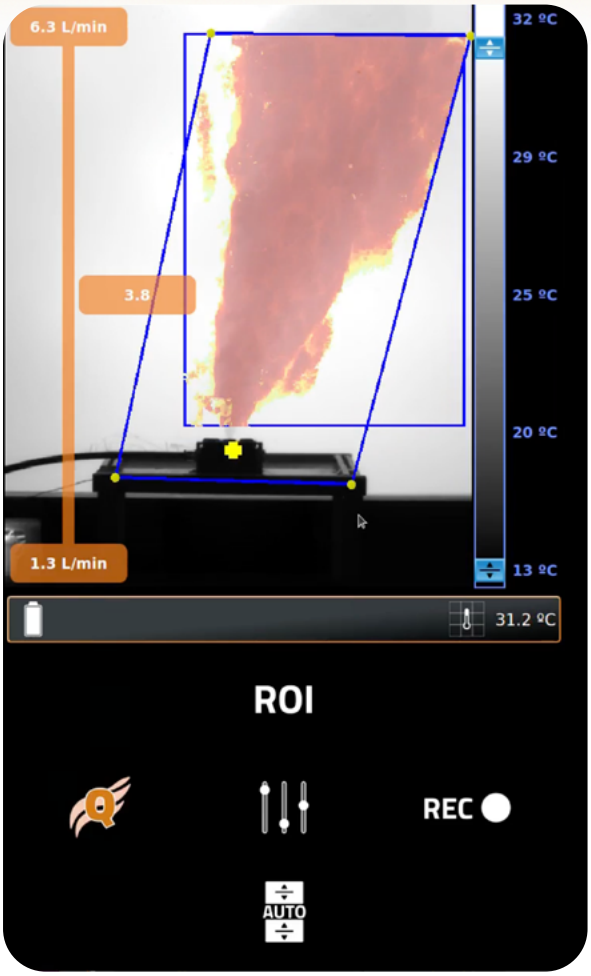
Rugged & Ergonomic Design

REDLOOK

Caroline Y has a new, sleek design, a bright 5-inch touch screen and is powered by RedLook, the most powerful and intuitive software for gas visualization and reporting. SENSIA's RedLook Handheld control and analysis software unlocks the full potential of Caroline Y Optical Gas Imaging.

Specifications are subject to change. For the most up-to-date specifications, please contact: contact@sensia-solutions.com

Technology Data Sheet



Specifications

FPA	Uncooled 640 x 480 px
Pixel Pitch	17 µm
NETD	<22mK @ +30°C
Spectral Region	7 to 9.5
Lenses	20 mm | 35 mm
Accuracy	± 1°C (from 0°C to 60°C Scene Temp.)
Data Protocol	GigE 9 Hz / 25 Hz
Memory Storage	SD card up to 256 GB
Autonomy	3 x 3 hr
Display	TFT LCD panel 5" HD
Weight	2,1 kg
Size	187 x 165 x 68 mm
Operating Temp. Range	-10°C to +50°C
Storage Temp. Range	-40°C to +71°C
Certifications	EMC (EN 61326:2013) IP65 (EN 60529:2018) ATEX Zone II (EN 60079:2013) II 3G Ex ec IIC T4 Gc

Gases detected

Acetic Acid	Propylene
Acrolein	R11
Acrylic Acid	R12
Ethyl Hexyl Acrylate	R13
Acrylic Acid	R134A
Methane	R417A
Nitrous Oxide	Vynil Chloride
Phenol	R508A
R12	Sulfur Dioxide
R123	

Comfortable and Safe Handling

All our handheld cameras come with a durable, hardshell rolling case to make surveys as convenient as possible while securely storing the camera and all accessories.

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SENSIA

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QUALITY POLICIES