

Mileva 45F

Accurate and reliable continuous monitoring for carbon dioxide

Mileva 45F is the latest model of extremely accurate, cooled Optical Gas Imager designed to detect even the smallest emissions of carbon dioxide (CO₂), provide surveillance and perform intelligent thermography.



Gas
Detection



Gas
Quantification



Surveillance



Intelligent
Thermography



RedLook Camera
AI Analytics



Integration
Rest API, Cloud Services, IoT



ATEX Zone I
Housing Available



Instant &
Accurate Alarms



Automatic
Reporting



REDLOOK

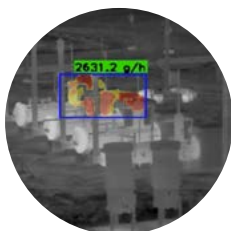
Mileva 45F is a part of our RedLook solution for exhaustive continuous monitoring and real-time alerting. RedLook is highly versatile, allowing operators to configure several Regions of Interest (RoI) within the area to be autonomously monitored. RedLook can assign a functionality to each configured 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.

Mileva 45F Gases Detected

Carbon Dioxide	CO ₂
Phosphine	H ₃ P

Specifications

FPA	Cooled 640 x 512 px
Pixel Pitch	30 µm
NETD	<15mK @ +50°C
Spectral Region	4,2 to 4,4
Lenses	25 mm 35 mm 50 mm
Zoom	Digital Zoom
Accuracy	± 1°C (from 0°C to 250°C Scene Temp.)
Data Protocol	GigE
Power	12 watts
Weight	4,9 kg
Size	350 x 121 x 111 mm
Operating Temp. Range	-10°C to +50°C
Storage Temp. Range	-40°C to +71°C
Minimum Detectable Leak Rate (CH ₄)	0,4 g/h*
Certifications	IP66 (EN 60529) EMC EN61000-6-3:2007 II 2 G Ex db op pr IIC T6 Gb EN 60079-0:2012; EN 60079-1:2014 EN 60079-28:2015; EN 60079-31:2014 IEC 60079-0:2011; IEC 60079-1:2014-06 IEC 60079-28:2015; IEC 60079-31:2013 EN 50130-4:1995 + A1:1998 + A2:2003 LVD: EN 60950-1:2006 + A11:2009 RoHS: 2011/65/EU WEEE: 2012/19/EU

Features under demand

Scanning	Pan & Tilt
SMART Model	Contact us for further details
Non-ATEX housing	IP65 (EN 60529) Weight : 13 kg Size: 110 x 135 x 300 mm
ATEX Housing	Contact us for further details

Specifications are subject to change.

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

HEADQUARTERS

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QUALITY POLICIES

