

Mileva 33F

Accurate and reliable continuous monitoring for methane leaks



Mileva 33F is the latest solution for cooled continuous monitoring of hydrocarbon (HxCx) gas leaks. The spectrally optimized cooled 640 x 512 pixel detector combined with RedLook's established AI neural networks improve the Minimum Detectable Leak Rate, detection probability, 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 33F 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

Specifications

FPA	Cooled 640 x 512 px
Pixel Pitch	15 µm
NETD	<15mK @ +50°C
Spectral Region	3,2 to 3,4
Lenses	50 mm 35 mm 25 mm
Zoom	Digital Zoom
Accuracy	± 1°C (from 0°C to 250°C Scene Temp.)
Data Protocol	GigE
Power	12 watts or 24 VDC
Weight	5kg
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 (CH4)	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
ATEX housing	IP65 (EN 60529) Weight: 13 kg Size: 110 x 135 x 300 mm

Mileva 33F Gases Detected

1,3-Butadiene	C ₄ H ₆
Acetic Acid	C ₂ H ₄ O ₂
Benzene	C ₆ H ₆
Butane	C ₄ H ₁₀
Ethane	C ₂ H ₆
Ethanol	C ₂ H ₆ O
Ethyl Hexyl Acrylate	C ₁₁ H ₂₀ O ₂
Ethylbenzene	C ₈ H ₁₀
Ethylene	C ₂ H ₄
Ethylene Glycol	C ₂ H ₆ O ₂
Ethylene oxide	C ₂ H ₄ O ₂
Heptane	C ₇ H ₁₆
Hexane	C ₆ H ₁₄
MEK	C ₄ H ₈
Methanal	CH ₂ O
Methane	CH ₄
Methanol	CH ₄ O
Octane	C ₈ H ₁₈
Pentane	C ₅ H ₁₂
Phenol	C ₆ H ₆ O
Propane	C ₃ H ₈
Propylene	C ₃ H ₆
Toluene	C ₇ H ₈
Turpentine	C ₁₀ H ₁₆

Specifications are subject to change.

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