



# EPA OOOOa & OOOOb CERTIFIED

## INDEPENDENT TESTING DEEMS FLIR CAMERAS COMPLIANT

FLIR is proud to announce its optical gas imaging (OGI) cameras engineered for hydrocarbon, volatile organic compound (VOC), and methane detection—the Gx320, Gx620, G620, G620a, GFx320, GF320, GF620, GF300, and G300a—have been independently tested and deemed compliant with both the EPA's NSPS 40 CFR part 60, subpart OOOOa and subpart OOOOb sensitivity standards for optical gas imaging equipment.

The National Physical Laboratory (NPL) performed the tests and confirmed that the FLIR G and GF-Series OGI cameras for hydrocarbon, VOC, and methane detection are capable of imaging a gas that is half methane/half propane at a concentration of 10,000 ppm at a flow rate of  $\leq 60$  g/hr from a quarter inch diameter orifice for both standards.

Hydrocarbon, including methane, leaks visible with FLIR OGI cameras



### Calibration Requirements

#### Gas Detection: No Calibration Required

The FLIR G and GF Series cameras' ability to detect gases is not influenced by any calibration process and will not degrade over time.

### Gas Compound Detection

The FLIR G and GF Series cameras for hydrocarbon, VOC and methane detection are capable of imaging a wide array of gas compounds, but were specifically designed to see the following hydrocarbons:

Methane	Ethylene	Octane
Benzene	Heptane	Pentane
Propane	Hexane	Propylene
Butane	Isoprene	Toluene
Ethane	MEK	Xylene
Ethanol	Methanol	1-Pentene
Ethylbenzene	MIBK	

### Questions and User Manuals

To download the latest GF Manual or address questions to the FLIR Gas Detection team, please go to our FLIR Customer Support Portal: <http://flir.custhelp.com>

### Gas Detection Training

Learn about ITC training courses for gas detection and OOOOa and OOOOb program development: [www.infraredtraining.com](http://www.infraredtraining.com)

Visit our blog for the latest updates in FLIR Gas Detection: [www.flir.com/discover/articles](http://www.flir.com/discover/articles)

**To see all Optical Gas Imaging cameras offered by FLIR:**

[www.flir.com/ogi](http://www.flir.com/ogi)





# EPA Appendix K CERTIFIED

INDEPENDENT TESTING CONFIRMS FLIR CAMERAS COMPLIANCE

FLIR is proud to announce that its cameras engineered for hydrocarbon, VOC, and methane detection—including the Gx320, Gx620, G620, G620a, GFx320, GF320, GF620, GF300, and G300a—have been independently tested and confirmed compliant with the EPA's Appendix K to 40 CFR Part 60 sensitivity standards for optical gas imaging equipment. Testing was conducted by an independent third party, which confirmed that FLIR G and GF series cameras meet the stringent detection criteria laid out in Appendix K:

- Detecting methane emissions at a rate of 19 g/hr.
- Detecting either n-butane emissions at 29 g/hr or propane emissions at 22 g/hr.
- Performing at a viewing distance of 2 meters with a delta-T of 5°C in calm wind conditions ( $\leq 1$  meter/second).

Handheld and fixed  
OGI cameras



**G620a fixed-mount OGI camera  
for hydrocarbon/VOC**



**G-Series handheld OGI camera  
for hydrocarbon/VOC**