



CHECK THE CHART BELOW

to see which FLIR GF camera model can visualize the listed gas, and at what theoretical sensitivity (high/medium/low)

	Maybe (requires field testing)
L	Low sensitivity (<250 ppm x m)
M	Medium sensitivity (<150 ppm x m)
H	High sensitivity (<50 ppm x m)

Gas	Chemical Name	Chemical Formula	Cooled Cameras					Uncooled Cameras	
			GF320 GFx320 GF620	GF343	GF346	GF304	GF306	GF77-LR	GF77-HR
Acetic Acid	Acetic acid	C ₂ H ₄ O ₂	H					M	
Acetylene	Acetylene	C ₂ H ₂							
Acrolein	2-Propenal	C ₃ H ₄ O				M	H		L
Turpentine	Alpha-pinene	C ₁₀ H ₁₆	H					L	
Ammonia	Ammonia	NH ₃					H		M
Benzene	Benzene	C ₆ H ₆	H						
1,3-Butadiene	1,3-Butadiene	C ₄ H ₆	H				H		M
Butane	Butane	C ₄ H ₁₀	H						
Carbon dioxide	Carbon dioxide	CO ₂		H					
Carbon monoxide	Carbon monoxide	CO			H				
Ethane	Ethane	C ₂ H ₆	H						
Ethyl alcohol	Ethanol	C ₂ H ₆ O	H			L		L	M
Acrylic acid	Ethyl ester	C ₅ H ₉ O ₂				H		M	
Ethyl hexyl acrylate	2-Ethylhexyl acrylate	C ₁₁ H ₂₀ O ₂	M			H		M	
Ethylene	Ethylene	C ₂ H ₄	M				H		M
Ethylene glycol	1,2-Ethanediol	C ₂ H ₆ O ₂	M						M
Ethylbenzene	Ethylbenzene	C ₈ H ₁₀	H						
Ethylene oxide	Ethylene oxide	C ₂ H ₄ O	H						M
Formaldehyde	Methanal	CH ₂ O	M						
Heptane	Heptane	C ₇ H ₁₆	H						
Hexane	Hexane	C ₆ H ₁₄	H						
Isoprene	Isoprene	C ₅ H ₈	L						M
Methane	Methane	CH ₄	H					M	
Methanol	Methanol	CH ₄ O	H						M
MEK	2-Butanone	C ₄ H ₈	M						
Nitrogen trifluoride	Nitrogen trifluoride	F ₃ N					M		M
Nitrous oxide	Nitrous oxide	N ₂ O			H			M	
Octane	Octane	C ₈ H ₁₈	H						
Pentane	Pentane	C ₅ H ₁₂	H						
Phenol	Phenol	C ₆ H ₆ O	M			H		M	
Phosphine	Phosphine	H ₃ P		H					
Propane	Propane	C ₃ H ₈	H						
Propylene	Propylene	C ₃ H ₆	H						M
R11	Trichloromonofluoromethane	CCl ₃ F							M
R12	Dichlorodifluoromethane	CCl ₂ F ₂				M			M
R13	Chlorotrifluoromethane	CClF ₃				H		M	
R13B1 (Halon 1301)	Bromotrifluoromethane	CBrF ₃				H		M	
R22	Chlorodifluoromethane	CHClF ₂							
R23	29% R-508 (trifluoromethane)	CHF ₃							
R123	Ethane, 2,2-dichloro-1,1,1-trifluoro	C ₂ HCl ₂ F ₃				H		M	
R125	Pentafluoroethane	C ₂ HF ₅				H		M	
R134A	1,1,1,2-Tetrafluoroethane	C ₂ H ₂ F ₄				H		M	
R152a	1,1-Difluoroethane	C ₂ H ₄ F ₂							
R407C	R-32/125/134a (23%/25%/52%)	23% CH ₂ F ₂ · 25% C ₂ HF ₅ · 52% C ₂ H ₂ F ₄				R134a		R134a	
R410A	R-32/125 (50%/50%)	50% CH ₂ F ₂ · 50% C ₂ HF ₅							
R417A	R-125/134a/600 (46.6%/50%/3.4%)	46.6% C ₂ HF ₅ · 50% C ₂ H ₂ F ₄ · 3.4% C ₄ H ₁₀				H		M	
R422A	R-125/134a/600a (85.1%/11.5%/3.4%)	85.1% C ₂ HF ₅ · 11.5% C ₂ H ₂ F ₄ · 3.4% C ₄ H ₁₀				H		M	
R507A	R-125/143a (50%/50%)	50% C ₂ HF ₅ · 50% C ₂ H ₃ F ₃				R125		R125	
R508a (61%)	Hexafluoroethane	C ₂ F ₆				H		M	
Sulfur dioxide	Sulfur dioxide	SO ₂						M	
Sulfur hexafluoride	Sulfur hexafluoride	SF ₆					H		M
Toluene	Toluene	C ₇ H ₈	H						
Vinyl chloride	Vinyl chloride	C ₂ H ₃ Cl					M		L

Notes:

This data is for reference only and should be confirmed by in-field testing or other means.

Cameras gas detection sensitivity levels vary dependent on camera model.

All uncooled GF Cameras have a maximum sensitivity of "medium".