



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