

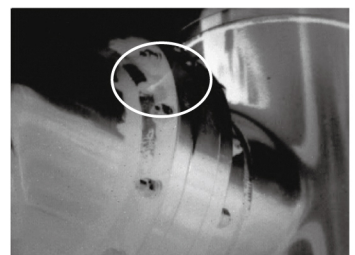
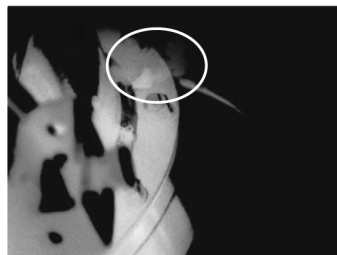


Gas detection thermal imaging camera



The TT-607FG-HTI visualizes and pinpoints gas leaks of SF<sub>6</sub>, without the need to de-energize high-voltage equipment or shut down the operation. The portable camera also greatly improves operator safety, by detecting emissions at a safe distance, and helps to protect the environment by tracing leaks of environmentally harmful gases.

SF<sub>6</sub> is used in the electric power industry as an insulator and quenching medium for gas-insulated substations and circuit breakers.





## TT-607FG-HTI Unique Feature

- ◆ Adapt passive thermal imaging technology, could accurately find the leakage point at long distance without power supply shutdown.
- ◆ Using Cooled QWIP detector, enjoy superior image quality and accurate temperature measurement.
- ◆ 1080P, have voice and video recording function.
- ◆ HD OLED view finder, combined with 5" touch rotating screen, suitable for many on-site using.
- ◆ No specific background and auxiliary light needed, suitable for many on-site checking.
- ◆ Small size, light weight and easy operation, suitable for single person on-site using.

## Parameter

Item		Configuration		
Detector	Detector Type	Cooled QWIP detector		
	Array size	320×256		
Image Characteristics	Field of View/min focus distance	14.5°×10.8°/0.5m	24°×18°/0.3m	
	Spatial resolution	0.79mrad	1.13mrad	
	NETD	≤0.025°C@30°C		
	Frame rate	60Hz		
	Focus	Auto/manual/motorize		
	Zoom	1~4X electronic zoom		
	Spectral range	9.8-11.2um, peak 10.55um		
	CCD	1.3 million CMOS		
Image display	View finder	HD 0.6" color OLED, with zoom		
	LCD	HD 5" color digital touch screen, 800×600		
Measurement	Temp range	-40°C- +500°C		
	Accuracy	±2°C or ±2% of reading, which ever is greater		
	Measurement correction	Auto/manual		
	Mode	Up to 10 movable spots. Up to 5 movable areas(maximum, minimum and average temperatures). Up to 2 movable lines. Line profile. Isotherms. Temperature difference. Alarm(voice, color)		
	Image control	Color palette	11 palettes changeable(Iron, Rainbow, Grey and Grey inverted, etc)	
		Image adjustment	Auto/manual adjustment of contrast and brightness	
	Setup	Date/time, temp unit °C/°F/K, language		
	Emissivity correction	Variable from 0.01 to 1.0 or select from listing in pre-defined material list		
	Background Temp adjustment	Auto, according to the background temp		
	Atmospheric transmission correction	Automatic correction according to user input object distance, relative humidity and ambient temp		
	Image Save	Storage Card	8G SD card, storage>6000	
Storage mode		Manual/automatic single-frame image storage, continuous visible, infrared video recording		
IR image		Single frame	JPEG, 14 bit thermal image with measurement data	
		Video	MPEG-4 or 14 bit thermal image with measurement data	
Visual Image		Single frame	JPEG	
		video	MPEG-4	
Voice annotation	40s, saved together with the image			
Image improvement	averaging (S2, S4, S8, S16), spatial filter			
Laser pointer	Power supply	Second level, 1mW/635nm(red)		
Power supply	Battery type	Li-Ion, rechargeable		
	Battery operating time	3 hours continuous operation		
	Charging system	Intelligent charge or power supply adaptor online charge		
Power System	Power saving	Yes		
	External power	10-15V DC		
Environment	Working Temp	-15°C-+50°C		
	Humidity	≤90% (non-condensing)		
	Encapsulation	IP54		
Physical feature	Weight	3Kg		
	Dimension	335mm×160mm×172mm		
Interface	External DC input	Yes		
	Audio output	Yes		
	Video output	HDMI		
	USB2.0	Image, measurement date and voice transfer to PC		



Hand shank and view finder could rotate simultaneously, easy for observation.

Could detect the following gas  
sulfur hexafluoride, ammonia,  
cyanoacrylate, chlorine dioxide,  
acetic acid, FREON-12, ethylene,  
MEK

▲ The information contained in this document is subject to change without notice

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