



Real-time Display of Leakage Data
The STEK AC9000 series offers real-time estimated leak rate, leak cost for gas leak detection.
9000 series can filter noise to “visualize” sound with a large 4.3" LCD touch screen even in noisy environments.

STEK

136 MEMS (microphones)
STEK AC9000 +



**AC9000
PLUS**

AC9000



Real-time Display of Leakage Data

The STEK AC900 series offers real-time estimated leak rate, leak cost for gas leak detection.

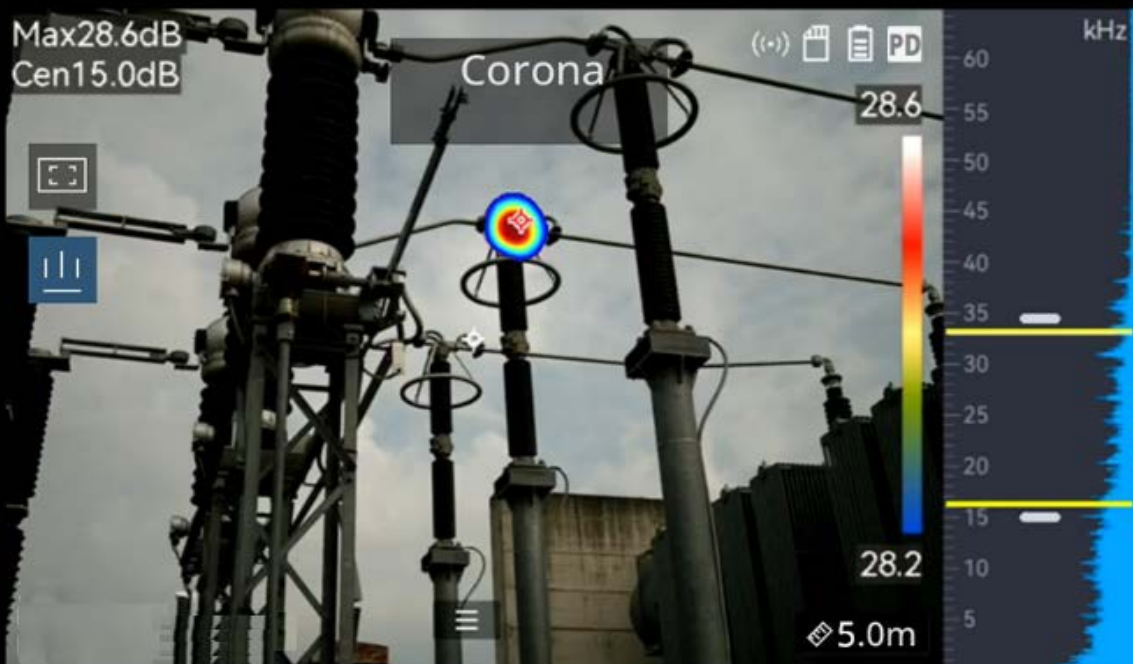
AC9000 series can filter noise to “visualize” sound with a large 4.3" LCD touch screen even in noisy environments.


Leak rate


Leak cost



Smart Partial Discharge Detection When placed in Partial Discharge mode, the AI series identifies corona, floating, surface, or particle discharge on high voltage systems that can lead to equipment failure. This is instantly displayed on screen and can be saved for documentation and reporting.



Corona

Surface

Particle

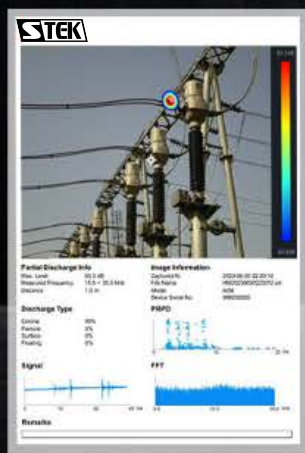
Floating



SPECIFICATIONS

Model	AC9000	AC9000 Plus
Acoustics		
Number of Microphones	64	136
Acoustic Image Resolution	800 × 480	0 kHz to 96 kHz, adjustable range MEMS sampling frequency: 192 kHz
Bandwidth	0 kHz to 96 kHz, adjustable range MEMS sampling frequency: 192 kHz	0.3m~150m
Distance	0.3m~150m	50.2°× 35.4°
Acoustic Image Palette	White Black, Black White, Rainbow, Fusion, Ironbow, Red Black, Rain, Blue Red	800 × 480
Camera FOV	50.2°× 35.4°	White Black, Black White, Rainbow, Fusion, Ironbow, Red Black, Rain, Blue Red
Sound Intensity Display	Peak Point	>0.0047 l/min @ 6 bar from 0.5 m (1.64 ft) >0.0073 l/min @ 5 bar from 1 m (3.28 ft)
Acoustic Image Frame Rate	25 fps	Peak Point
Dynamic Range	Low Limit: <-15dB High Limit: >120dB	25 fps
Leak Rate	>0.008 l/min @ 6 bar from 0.5 m (1.64 ft) >0.013 l/min @ 5 bar from 1 m (3.28 ft)	Low Limit: <-15dB High Limit: >120dB
Discharge Detection	64	Automatic detection 50 / 60 Hz
Discharge Type	Corona Discharge, Particle Discharge, Floating Discharge, Surface Discharge	Corona Discharge, Particle Discharge, Floating Discharge, Surface Discharge
Communications / Power / Engineering		
Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)	
Bluetooth	Bluetooth 4.1	
USB Interface	USB Type-C	
HDMI Interface	HDMI-D	
Battery Operating Time	Approx. 3.5 hours x3 for a total for a total of 10.5 hours	
Battery Type	Interchangeable and Rechargeable Li-ion Battery	
Battery Charging Time	5 hours to full charge	
Protection level	IP54	
Power Supply	5V DC/2A (Charging via USB)	
Drop Test Height	1.2 m (3.94 ft)	
Safety	IEC 61010-1	
EMC	EN 55032:2015,EN 50130-4,EN IEC 61000-3-2,EN 61000-3-3	EN 301 489-1,EN 301 489-17,EN IEC 61000-6-2,EN IEC 61000-6-3,EN 61326-1
Working Temperature Range	-20 °C to 50 °C (-4 °F to 122 °F)	
Storage Temperature Range	-20 °C to 60 °C (-4 °F to 140 °F)	
Relative Humidity	< 95 % non-condensing	
Weight	Approx. 940 g (2.07 lb)	Approx. 1200 g (2.64 lb)
Dimension	292.2 × 127 × 110.7 mm (11.50 × 5.00 × 4.36 in)	310.4mm×165mm×117mm (12.22 × 6.49 × 4.61 in)
Tripod Mounting	UNC ¼"-20	
Vibration	2g, IEC 60068-2-6	
Shock	25 g, IEC 60068-2-27	
Display		
Display	800 × 480 Resolution, 4.3"LCD Touch Screen	
Screen Brightness	Manual/Auto	
Digital Zoom	1.0x to 16.0x continuous	
Visual Camera	2688 x 1944 (5 MP)	
Display	800 × 480 Resolution, 4.3"LCD Touch Screen	
Data Storage and Communication		
Storage Media	Removable 64 GB SD Card	
Image Storage Capacity	20,000 images	18000 images
Annotations	Voice note: max. 60 seconds;Text note: max. 255 characters	
Video Storage Capacity	60 hours	
Video File Format	MP4	

Acoustic Ultrasonic Camera STEK AC9000 Series



Acoustic Analyser Software for PC is included at no additional cost or recurring fees. Simply import images from the camera to quantify issues, analyze field images, highlight concerns, and create reports for repairs, field audits, or energy rebate programs.



Interchangeable Battery System
Includes 3 interchangeable Li-ion batteries and a dual bay charger to provide you with up to 10 hours with AC9000, and 6 hours with AC9000 Plus of operation. You can stay powered up for even the longest inspections.



Voice & Text Annotations

In addition to supporting voice, text annotations to the image helps to improve inspection efficiency and productivity.



Scope of Supply:
Acoustic Camera AC9000 or AC9000 +
Rechargeable Batteries AC9000 (Two); AC9000+(Three)
External Battery Adaptor for external charging
Mains Adaptor / Camera Cable
Protection Case
USB & HDMI Cable
Software
Hard Carrying Case

