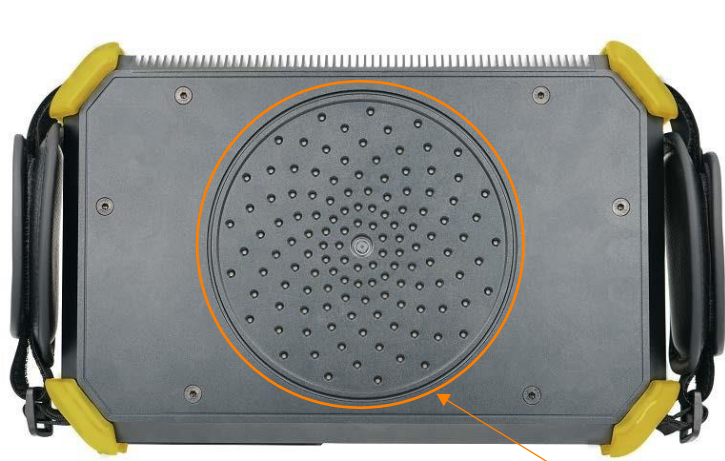


STEK Sonoleak 108 Pro is a hand-held industrial acoustic imager that support audible and ultrasonic frequencies. The instrument uses the microphone array beam forming technology to acquire the sound source distribution data, and collects the video images in real time with the high-definition camera. By integrating the sound source distribution data with the video image, the changing sound source is dynamically presented on the display screen.

- Quickly detect potential pressurized gas leaks and vacuum leaks in noisy industrial environments with **128 MEMS**(An audio MEMS sensor is an electro-acoustic transducer housing a sensor (MEMS) and an application-specific integrated circuit (ASIC) in a single package
- In Electrical power systems, quickly identify potential partial discharge fault points.
- Made of aluminium alloy shell makes STEK Sonoleak 108 Pro strong and durable and can adapt to the complex and changeable working environment.
- One only needs to adjust two parameters, the test frequency range and test dynamic range to meet the vast majority of test requirements.
- Support camera mode, video mode, and the data recording on the job site is flexible.
- Large capacity TF data memory card can be expanded, and test results can be exported and reported quickly.
- Advanced **MULTIUSER** Software for analysis, reporting energy Save/Loss Calculation





128 MEMS Sesonors

Video Area Work mode ICON Time Battery



Function Menu Dynamic Range Set Up Palette Frequency/ Spectrum Selectio



Steady State



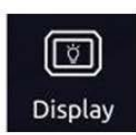
Work Mode Button



Playback



Acosustic



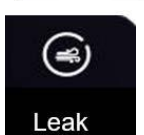
Display



System



Page 2 of 4 Partial Discharge Mode

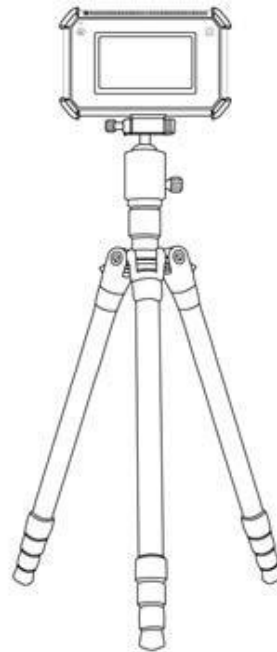
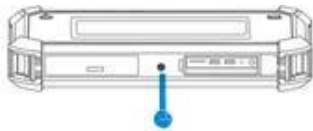
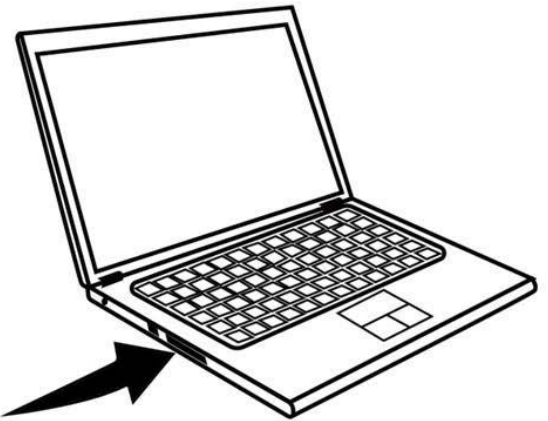
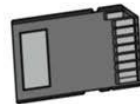
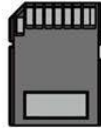
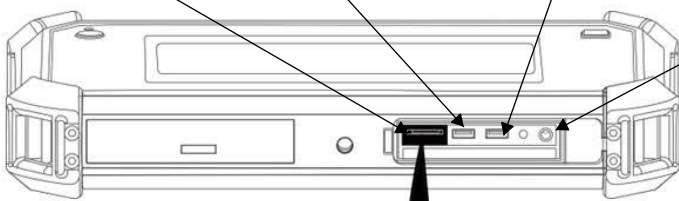


Gas Leak Emission



- Analysis & Reporting Software
- Multiuser no License Required
- No internet connectivity
- Needed
- Energy Save and Loss Calculation

Memory Card USB Type C Charging USB Type C Communication Port Audio output



Technical specification:

Microphone Array

Microphone array	: 128 channels MEMS microphone
Effective test bandwidth	: 2kHz-48kHz
Sound image FOV	: 62°
Sound image frame rate	: 25 FPS
Test sound pressure level range	: 30dB-120dB
Leak detection rate	: 10m, 5bar, 0.92ml/s, 0.5m,5bar, 0.55ml/s
Test Distance	: 0.3m-120m

Camera

Camera FOV	: 62°
Camera focal length	: 3.04mm fixed focal length
Camera pixel	: 8million pixel

Display

Resolution	: 1024 X 600
Size	: 7 inch TFT Capacitive Touch Screen
Brightness	: Adjustable

Storage

Internal storage	: 8GB
External storage	: Expand TF memory card, at least 64G
Data storage format	: jpg (picture) and .MP4 (video)

Battery

Battery capacity	: 6600mAH@7.2V
Battery life	: 4 Hours under full Charge
Charge	: USB Type-C port, USB PD protocol supported
Power consumption	: 15W for battery charge ; 29W for maximum power consumption

Interface

USB	: 3.0 Type-C USB host port
Headphone socket	: 3.5mm

Operating Environment

Operating environment	: 20°C- +50°C, 10%-95% no condensation
Storage temperature	: -20°C – +60°C
Charging temperature	: 10°C – +45°C

Mechanical

Size	: 272mmx174mmx42mm
Weight	: 1.7kg

Accessories

- STEK Sonoleak 108 Pro
- Hand / Shoulder Strap
- Rechargeable Batteries
- Mains Charger cum Adaptor
- Ultrasonic Transmitter UT-108 for Calibration Check
- Software
- Manual
- Industrial Tripod
- Hard Carrying Case

UT-108 Ultrasonic Emitter
for

