

# MPAC128 & MPAC128 ATEX

## THE NEW ACOUSTIC IMAGER FROM MEGGER



Reducing costs and risks, and maximising workplace effectiveness, are at the top of your agenda. But how can you protect your site, people, profits, and productivity from threats that are invisible to the naked eye? You choose the MPAC-128 from Megger.

Our state-of-the-art acoustic imager visualises gas leaks and partial discharge with unrivalled clarity - helping you address issues before they lead to safety incidents, compliance violations, equipment damage, resource wastage and costly unplanned downtime.

Megger's ATEX-certified and IP54-rated acoustic imager offers non-contact detection up to a distance of 120 metres, aiding safe and fast diagnosis. Other features include:

- 128 Microphone array
- Detection frequency up to 48 kHz
- Detection range up to 120 m
- 8 MP Optical camera resolution
- Display rate of 25 fps
- Detects multiple gas types
- Leak rate quantification
- Phase resolved partial discharge (PRPD)
- Ultrasonic monitoring
- Expandable memory storage
- IP54 rating

Reduce risks and unlock efficiencies across your site with the MPAC-128 acoustic imager from Megger.

Confidence that's Crystal Clear.



## ACOUSTIC SPECIFICATION

Microphone array	128 channels MEMS microphone, Structural vibration monitoring and localization
Effective test bandwidth	2kHz-48kHz
Dynamic range	0.5dB-12dB up to 110 dB
Test sound pressure level range	25.7-132.5dBA
Auto max/min dB gain	User-settable, minimum test bandwidth 1kHz
Number of digits	24bit
Sound image FOV	62°
Sound image frame rate	At least 25 FPS
Leak detection rate	10m 5bar 0.92ml/s 0.5m 5bar 0.55ml/s
Detect distances	0.3m-120m

## CAMERA

Camera FOV	62° 2x Zoom in
Camera focal length	3.04mm fixed focal length
Camera pixel	8 million pixel

## STORAGE

Internal storage	About 8G
External storage	TF memory card, at least 64G, expandable to 256G
Data storage format	.jpg (Picture), .mp4 (Video) and .wav (Recording)
Video length	5 minutes
Digital export	micro-SD Card

## DISPLAY

Resolution	1024*600 (614,400 pixels)
Size	7 inch
Touch screen	Capacitive touch screen
Brightness	Adjustable
Photo notes	Up to 5 photos notes for reference
Source	Show single or multiple sources
Standard palettes	3: Grayscale, Ironbow, Blue-Red
Playback function	View photos, videos anytime, and add notes or tags

## POWER

Battery capacity	1×6600mAH@7.2V Rechargeable battery and 1×external battery package, continuous
Battery life	4+6 hours operation time
Charger	USB Type-C port, USB PD protocol supported, 15W
Power consumption	15W for battery charge; 29W for maximum power consumption
Energy management	Sleep/Auto power off modes

## OPERATING ENVIRONMENT

Operating environment	-20°C - +50°C 10%-95% no condensation
Storage temperature	-20°C – +40°C
Charging temperature	10°C – +45°C

## GENERAL SPECIFICATION

Ingress Protection (IP)	IP54
Size	272mm×174mm×42mm
Weight	1.7kg
Warranty	2 years
Self-diagnostic notification	Array-health test function to identify when microphone array needs attention
System	Linux system
Certification	CE, FCC, RoHS-compliant, MSDS, CNEX, ATEX (under qualification.)

## INTERFACE

USB 3.0 Type-C USB host port

3.5mm headphone socket

## SUPPORTED LANGUAGE

English, French, Chinese, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish

## SOFTWARE

Report types	Gas/Electricity, ISO 50001-compliant
Analysis	Waveform, Spectrum, Spectrogram, leakage assessment, discharge type discrimination