

## MPAC-V

### Professional Acoustic Camera Verifier



- Sound pressure level verifier
- Frequency response verification
- Acoustic cloud image alignment verification
- Multiple preloaded sound files to verify correct camera performance
- Works with MPAC128 and MPAC208

#### DESCRIPTION

The Megger Professional Acoustic Camera Verifier, MPAC-V, is a compact, portable ultrasonic sound generator. It is designed to check the alignment of the acoustic cloud image, the accuracy of the SPL (Sound Pressure Level) measurement and frequency response on the Megger MPAC range of acoustic cameras.

It has button controls to power on/off the MPAC-V, play/pause an audio file, increase/decrease the volume and switch between the .wav audio files, pre-loaded onto the included MicroSD/TF card.

Key is the inclusion of a Verification sound file that automatically runs through the pre-set frequency bands that mirror the bands selected by the MPAC cameras when running in verification mode, automating the verification process.

In addition, sound files to replicate common partial discharge, using either 50 Hz or 60 Hz as the fundamental, help prove the MPAC cameras detection processor.

The MPAC-V supports a maximum signal output sampling rate of 96 kHz 24 bit, with a rated frequency range from 20 kHz to 48 kHz.

The product features a lightweight, sturdy and durable all-aluminium alloy case and can be powered by either the supplied USB-C 5 V power adaptor or four AA batteries.

#### FEATURES

- 8 audio files including the camera verification file, preset mechanical frequency files, white noise and gas leak, as well as samples of Suspension, Corona and Surface Partial Discharge – all at both 50 and 60 Hz.
- Used to verify the operational status of the Megger MPACs (Megger Professional Acoustic imaging Cameras).
- A dual-port USB-C power adaptor and USB-C cable are supplied as standard
- Designed to fit into the Megger MPAC cameras protective carry case.



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### SPECIFICATIONS

#### ACOUSTIC SPECIFICATIONS

Sampling rate	96 kHz
Frequency range	20 k – 48 kHz
Operating frequency	25 kHz ± 5 kHz
Supported file type	.wav

#### POWER SUPPLY

Port	USB-C
Rated voltage	5 V (DC)
Rated current	0.5 A
Battery type	AA (Alkaline or Ni-Cad batteries are recommended: 4 Required)

#### GENERAL SPECIFICATIONS

Dimensions	173 x 80 x 35 mm
Weight	600 g
Tripod mounting point	¼-inch thread
Screen	LCD – 2.8 inches
Resolution	320 x 240
Operating conditions	-20 to +60 °C, 10 – 95 %
Storage conditions	-20 to +70 °C, 10 – 95 %
Certification	CE-EMC, CE-RoHS
Storage size	Maximum 64 GB MicroSD card

### ORDERING INFORMATION

Description	Part number
MPAC-V	1016-919

MPAC-V\_DS\_EN\_V02

ISO 9001

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**Megger** <sup>R</sup>