

AP602

DATASHEET

D_AP602_v0011_20140914_EN

Amplifier for omni-directional sound source

PRESENTATION

The AP602 comprises, in a small size and lightweight, a white and pink noise generator, a 1/3 octave band graphic equalizer and a power amplifier.

Thanks to its noise generator output and the signal input, the AP602 allows equalizing and amplifying the signal coming from an external noise generator or inserting additional signal processing equipments in the reproduction chain.

The AP602 has intermittent operation mode to facilitate background noise measurements interspersed with reception measurements

The AP602 screen shows all the information necessary to control it: reproduced noise type, internal or external configuration, equalizer on/off, playback

status play/stop, numerical and graphical information about the noise volume, graphic equalizer curve, protection equipment status PROT (power and overload protection status) and CLIP (signal clipping).

The AP602 can be operated directly from the keyboard, through MA001 remote control (with AN001 antenna) or by a PC with the included software. This communication with the PC can be done through USB cable or through type1 included Bluetooth® wireless technology, up to 80 meters coverage.

Also the forced ventilation cooling system of the AP602 is efficient for the background noise measurements.

APPLICATIONS

- Measurement of sound insulation in buildings and of building elements ISO 10140-2, ISO 140-4, ISO 16283-1
- Measurement of the reverberation time of rooms ISO 3382-1/-2
- Measurement of sound absorption ISO 354

MAIN CHARACTERISTICS

- 1/3 octave band graphic equalizer included
- Reduced size: 350 x 300 x 150 mm
- Lightweight : 4,75 kg
- Bluetooth® wireless technology incorporated
- MA001 Remote control included
- 123 dB PWL with omni-directional loudspeaker BP012



AP602

TECHNICAL SPECIFICATIONS / ACCESSORIES



Amplifier for omni-directional sound source

TECHNICAL SPECIFICATIONS

STANDARDS

ISO 10140-2, ISO 140-4, ISO 16283-1
ISO 3382-1/-2
ISO 354

MAXIMUM OUTPUT POWER

Pink noise filtered between 50 and 5000 Hz 1/3 octave bands 6 W: 580 W

FREQUENCY RESPONSE ($\pm 0,15$ dB)

20 – 20000 Hz

TOTAL HARMONIC DISTORTION (THD)

3 dB below the nominal power, 20 Hz – 20 kHz and 8 Ω load < 0.05 %

SIGNAL TO NOISE RATIO (SNR)

A weighting, 20 Hz – 20 kHz and 8 Ω load > 119 dB

DAMPING FACTOR

< 1 kHz @ 8 Ω > 1000

TYPICAL POWER CONSUMPTION

6 A
(580 VA)

MAINS

120/230 ~ VAC
50/60 Hz

SIZE AND WEIGHT

Size: 350 x 300 x 150 mm
Weight: 4750 kg

INPUTS AND OUTPUTS: CONNECTORS

Loudspeaker signal output: 4-pin Speakon® (+1, -1)

Line signal output: XLR male (unbalanced)

pin1 → ground, pin2 → hot, pin3 → free

Line signal input: XLR female (unbalanced)

pin1 → ground, pin2 → hot, pin3 → free

USB Port: Digital Type B complies with USB rev. 2.0

Wireless communication: Bluetooth® class 1

Coverage range: 80 m

MA001 Remote control communication: Radiofrequency

Coverage range (with antenna): 45 m

ACCESSORIES

SUPPLIED ACCESSORIES

CN2US USB Cable for the communications of the AP602 with a computer.

SF600 Software for the remote control of the AP602

MA001 Remote control to control the AP602

AN001 Antenna to control the AP602 through the MA001

OPTIONAL ACCESSORIES

BT002 Bluetooth® wireless technology device for PC



The characteristics, technical specifications and Accessories may vary without prior notice