

# **DATASHEET**D\_AP602\_v0012\_20190313\_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).

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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

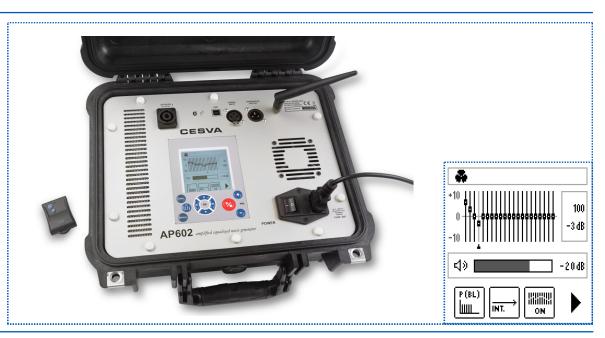














### TECHNICAL SPECIFICATIONS / ACCESSORIES



## 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 6 Ω: 580 W

50 and 5000 Hz 1/3 octave bands

FREQUENCY RESPONSE (± 0,15 dB)

20 - 20000 Hz

TOTAL HARMONIC DISTORTION (THD)

3 dB below the nominal power,

20 Hz – 20 kHz and 8  $\Omega$  load \$< 0.05 %

SIGNAL TO NOISE RATIO (SNR)

A weighting, 20 Hz – 20 kHz and  $\hat{8}$   $\Omega$  load > 119 dB

DAMPING FACTOR

 $< 1 \text{ kHz} @ 8 \Omega$  > 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)

 $pin1 \rightarrow ground, pin2 \rightarrow hot, pin3 \rightarrow free$ 

Line signal input: XLR female (unbalanced)

 $pin1 \rightarrow ground, pin2 \rightarrow hot, pin3 \rightarrow free$ 

**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