Genelec 1019A

System Specifications

Lower cut-off frequency, -3 dB: < 60 Hz
Upper cut-off frequency, -3 dB: > 20 kHz
Free field frequency response tolerance of system ± 3 dB
Maximum continuous sine wave acoustic output @ 1m on axis in half space, averaged from 100 Hz to 2 kHz > 100 dB SPL
Maximum continuous RMS acoustic output in same conditions with IEC-weighted noise: > 100 dB SPL
Maximum peak acoustic output per pair on top of a console, 1 m from the engineer, with music material > 115 dB

A -20 dBu signal input will produce 88 dB SPL in a free field @1 m on axis with all controls set at the 'CAL' position. The CAL position is the 0 dB position of all tone controls and the maximum sensitivity position of the input level control. See specification in the Crossover Section

Self generated noise level in free field @ 1m on axis < 10 dB
Harmonic distortion at 85 dB SPL @ 1m on axis
f < 300 Hz < 3 %
f > 300 Hz < 1 %

Drivers
Bass 5” cone (125 mm)
Treble 13/16” soft dome (21 mm)

Weight 14.3 lb (6.5 kg)

Dimensions:
Height 12” (305 mm)
Width 8 7/8” (225 mm)
Depth 9 5/8” (245 mm)

Amplifier

Bass amplifier output power at 4 ohm load:
continuous 22 W
momentary 35 W

Treble amplifier output power at 8 ohm load:
continuous 6 W
momentary 20 W

Treble channel continuous output power is limited by the
electronic overload protection

Slew rate \[ 10 \text{ V }/\mu\text{s} \]

Amplifier system distortion at nominal output
- THD \(< 0.2 \%\)
- SMPTE-IM \(< 0.2 \%\)
- CCIF-IM \(< 0.2 \%\)
- DIM100 \(< 0.2 \%\)

Signal to Noise ratio, from shorted system input to channel output, referred to full output:
- bass \(83 \text{ dB}\)
- treble \(87 \text{ dB}\)

Mains voltage \(110/220/240 \text{ VAC}\)

Voltage operation Range \(\pm 10 \%\)

Power consumption,
- idle \(5 \text{ VA}\)
- full output \(50 \text{ VA}\)

**Crossover**

Input connector: XLR female

To feed from unbalanced output connect pin 3 to pin 1 (ground) in the cable connector

Input impedance \(10 \text{ k balanced}\)

Continuously variable input level for maximum output
- from + 12 dBu to - 8 dBu

Subsonic filter
down 12 dB @ 25 Hz
re 100 Hz level

Ultrasonic filter
down 12 dB @ 50 kHz
re 10 kHz level

Crossover frequency \(3.5 \text{ kHz}\)

Crossover acoustical slopes \(> 24 \text{ dB }/ \text{octave}\)

Tone control operation range in 2 dB steps
- bass from 0 dB to - 8 dB
- treble from + 4 dB to - 4 dB

The 'CAL' position is 0 dB, the treble control slot set at vertical position and bass at 1 o’clock

All data subject to change without prior notice