

HGT1

Technical Data



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1 Technical specifications

Table 1-1 *HGT1* Input

Input Impedance Selection	Input Impedance	Voltage	Accuracy (15 Hz ... 20 kHz)	Residual Noise (100 Hz mode)
1 k Ω	1 k Ω	25 V _{RMS}	+0.5 %; -1.0 %	< 10 μ V
1 k Ω + 1 k Ω	2 k Ω	50 V _{RMS}	+0.5 %; -1.0 %	
HIGH Z	200 k Ω	25 V _{RMS}	+0.5 %; -1.0 %	

Table 1-2 FFT Specifications

The *HGT1* uses zoom FFT with the following parameters:

- FFT size: 512 samples
- FFT resolution: 142 bins
- FFT repetition rate: 187,5 Hz (one FFT per 5.3 ms).
The results of the FFT shown on the *HGT1*'s screen are updated every 50 ms by averaging the individual FFT results.

Table 1-3 FFT parameters for 100 Hz and 400 Hz frequency range selection

Frequency range selection	100 Hz	400 Hz
Frequency range	104 Hz	414 Hz
Frequency resolution	0.73 Hz	2.92 Hz
Window size	1.37 s	342 ms
Overlapping	99.6 %	98.4 %

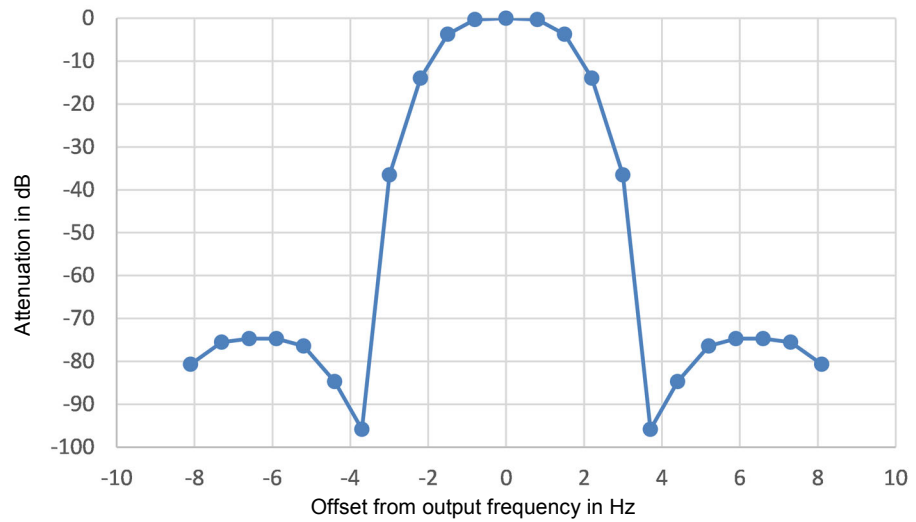


Figure 1-1 Filter selectivity for 100 Hz range

Table 1-4 Environmental Conditions

Temperature	-10 °C (14 °F) ... +50 °C (122 °F)
Humidity	5 % to 90 % RH, non-condensing

Table 1-5 Mechanics

Dimensions (L x W x H)	180 mm x 90 mm x 45 mm 7.1" x 3.5" x 1.8"
Weight	480 g (1 lb) including Li-Po battery

1.1 CE declaration of conformity



We, the manufacturer

NTi Audio AG
Im alten Riet 102
9494 Schaan
Liechtenstein, Europe

do hereby declare that the *HGT1*, released in 2013, complies with the following standards or other standard documents:

- EMC: 2004/108/EG
- Harmonized standards: EN 61326-1
- Explosive atmospheres (ATEX): 94/9/EG
- Directive 2011/65/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).
- Directive 2002/96/EC on waste electrical and electronic equipment (WEEE).

This declaration will become invalid if modifications to the instrument are carried out without the written approval of NTi Audio.

Date: 1. February 2013

Signature:

A handwritten signature in black ink that reads 'M. Becker'.

Position: Technical Director