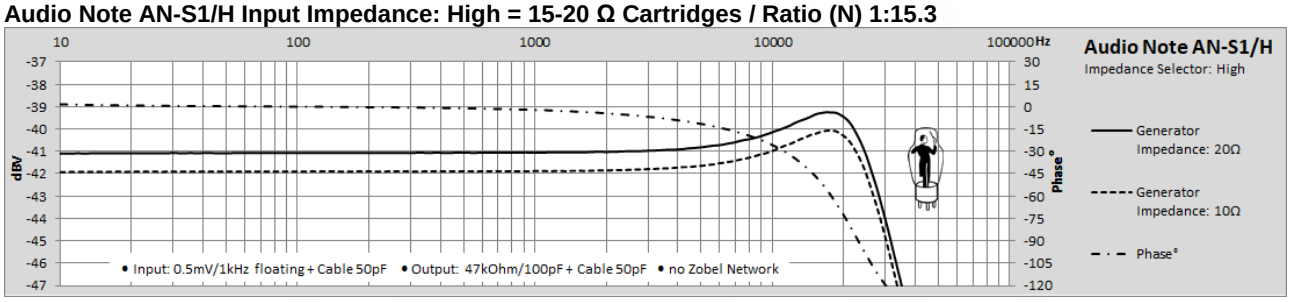
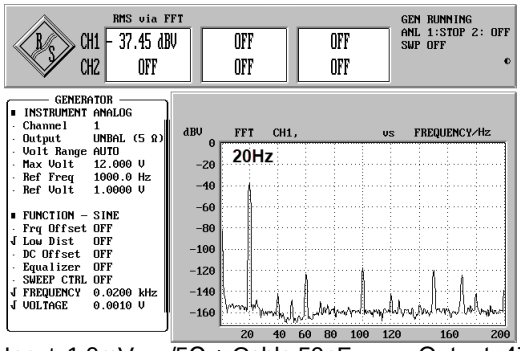
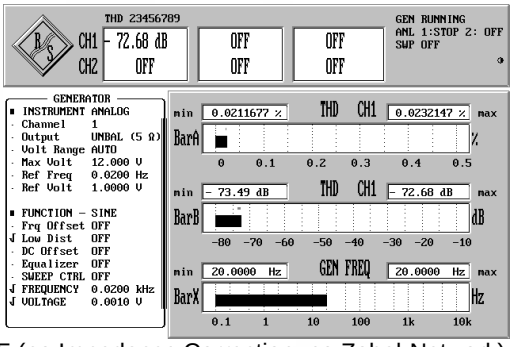
Audio Note AN-S1 / H MC-Transformer

This is not the result of a scientific measurement, just DIY-Information to choose the desired MC-Transformer

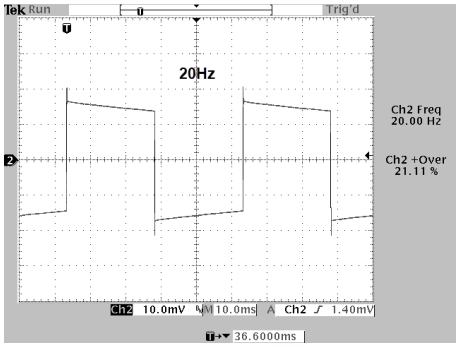
Audio Note AN-S1/H Input Impedance: High = 15-20 Ω Cartridges / Ratio (N) 1:15.3





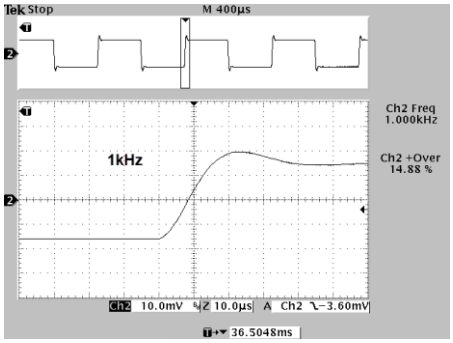


Input: 1.0mV$_{RMS}$/5Ω + Cable 50pF Output: 47kΩ/100pF + Cable 50pF (no Impedance Correction, no Zobel-Network)



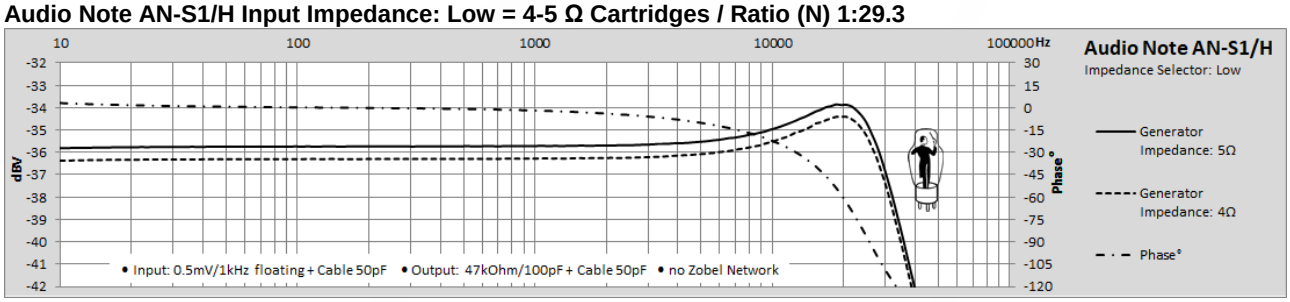
Calculated: 1:15.3, Output 47kΩ
- prim. 200.8Ω, sec. no Load

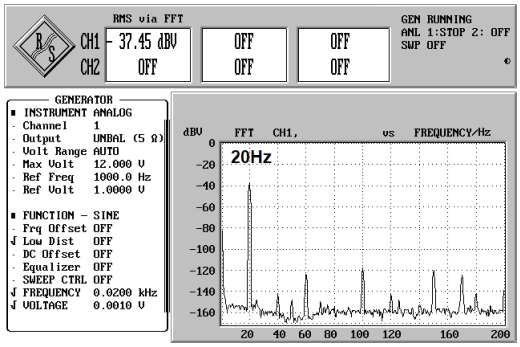
Measured: Output 47kΩ/100pF
- Ratio (N) 1:15.3
- THD 20Hz~0.021%
  1kHz~0.002%
  10kHz~0.002%
- Prim. Inductance (L_P)
  75mH/100Hz (Output open)

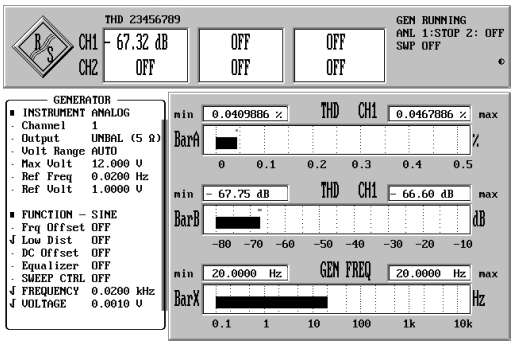


Input: 1.0mV$_{RMS}$/15Ω + Cable 50pF Output: 47kΩ/100pF + Cable 50pF (no Impedance Correction, no Zobel-Network)

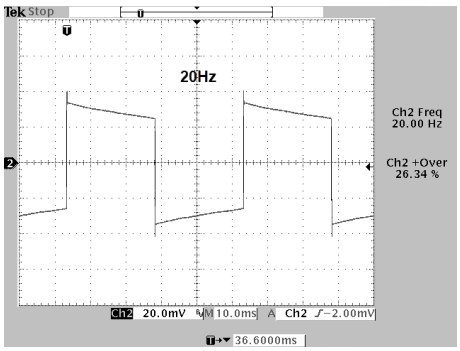
Audio Note AN-S1/H Input Impedance: Low = 4-5 Ω Cartridges / Ratio (N) 1:29.3





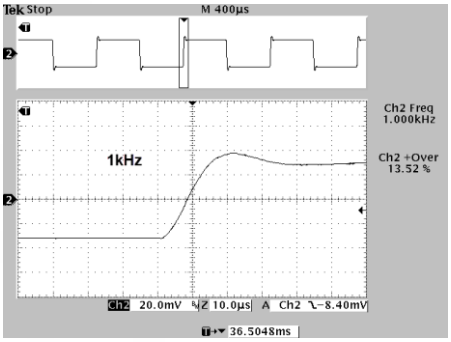


Input: 1.0mV$_{RMS}$/5Ω + Cable 50pF Output: 47kΩ/100pF + Cable 50pF (no Impedance Correction, no Zobel-Network)

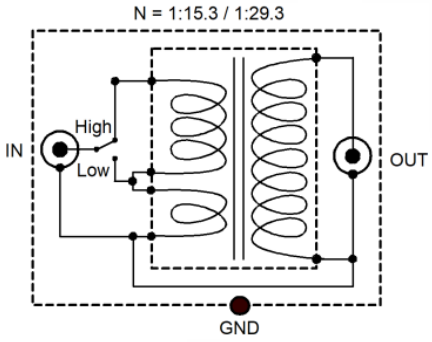


Calculated: 1:29.3, Output 47kΩ
- prim. 54.7Ω, sec. no Load

Measured: Output 47kΩ/100pF
- Ratio (N) 1:15.3
- THD 20Hz~0.043%
  1kHz~0.001%
  10kHz~0.0021%
- Prim. Inductance (L_P)
  18mH/100Hz (Output open)



Input: 1.0mV$_{RMS}$/15Ω + Cable 50pF Output: 47kΩ/100pF + Cable 50pF (no Impedance Correction, no Zobel-Network)



- High-/Low-Impedance Input-Switch
- No Noise-Shield between prim./sec. Windings
- Input- and Output- Ground connected together
- Left- Right-Channel-Ground not connected together
- External Ground-Connector of Chassis

Equipment: Rohde & Schwarz UPL; Rohde & Schwarz APN62; Tektronix TD3032B; Digilent Discovery 2, UNI-T UT612
Version: 2.3 kurtblum.com