

# TTC350 – TETRAHEDRAL TEST CHAMBER



The Tetrahedral Test Chambers are designed to provide guaranteed repeatability, accuracy, and correlation across labs, across production lines and across the world.

The TTC350 is an ideal test solution for headphone drivers, tweeters and bass/midrange drivers up to 100mm/4".



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## INTRODUCTION

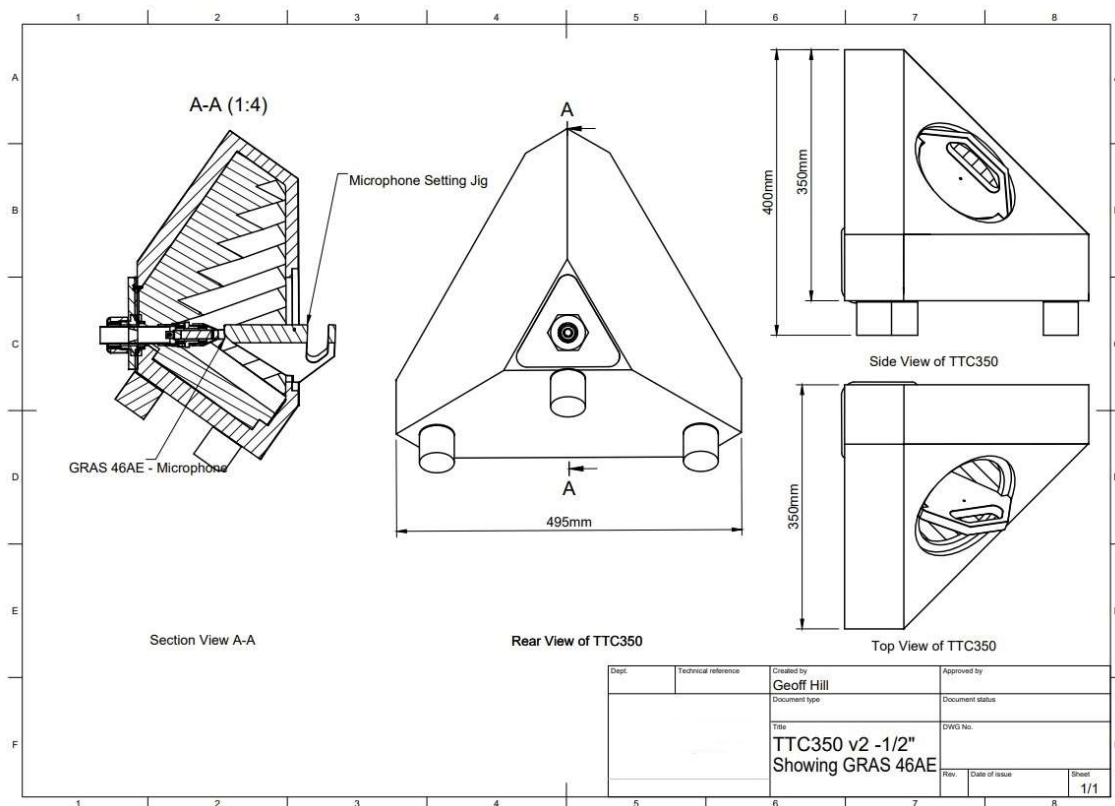
The TTC 350 is designed for R&D, end of line and QC measurements of headphone drivers, tweeters and bass/mid-range drivers up to 100mm / 4". It provides an accurate and stable acoustic measurement environment that meets the requirements in IEC 60268-21:2018, IEC 60268-22:2020, IEC 63034 and AES73id-2019.

The design is based on principles that ensure that the user can reliably and easily replicate the measurement setup time after time regardless of their level of expertise.

The TTC is a cost-efficient solution maintaining quality throughout the supply chain. The TTC350 is supplied fully assembled, calibrated, and with the following accessories:

- Mic setup jig
- Loudspeaker clamp
- Sub-baffle for a generic 4" driver
- Adapters for ¼", ½", and 1" microphones

## DIMENSIONS



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## TTC 350 - SPECIFICATIONS

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### PHYSICAL

- Width 350mm / Depth 350mm / Height 350mm (400mm including the feet)
- To operate the TTC350, please reserve an additional 100mm of space on all sides and top of the chamber
- Measurement distance 100mm
- Weight approximately 12kg
- Material 18mm high density birch ply standard finish, black paint
- Baffle –Ø175mm with 9mm Rebate to Ø150mm, maximum driver size 100mm (4")
- Microphone diameters ¼", ½", and 1" as standard



### PERFORMANCE

- Frequency Range 10Hz to 20kHz, 50kHz or 100kHz (dependent upon microphone used)
- Will normally ensure better than +/-0.25dB accuracy and repeatability
- Above 2kHz the TTC provides an anechoic environment, guaranteeing repeatability of +/-0.25dB 20Hz – 20kHz with supplied correction curve.

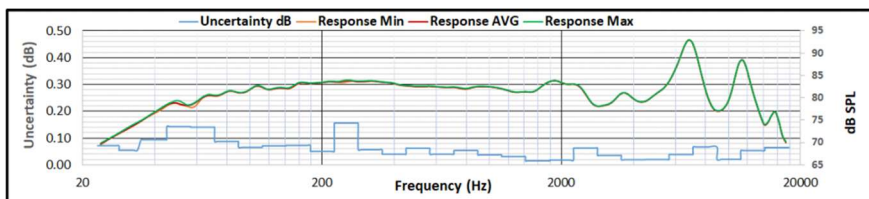


Figure 1. Typical uncertainty of 100 measurements of the same driver between two chambers



### OPTIONS

- Clamps to suit individual drivers or tweeters
- Additional sub-baffles to suit individual drivers or tweeters
- Driver Cover / Acoustic Isolator

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### ORDERING INFO

US:

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