

**ENGINEERING STANDARD**

DATE EFFECTIVE

4-5-96

NUMBER

EST

**ENGINEERING DESIGN  
SPECIFICATION**

DATE REVISED

4-26-96

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**CENTURY GOLD  
ACOUSTIC & ELECTRICAL SPECIFICATIONS**

Sensitivity:	90 dB for 2.83 V @ 1 m
Rated Impedance:	6 $\Omega$
Minimum Impedance:	5.5 $\Omega$ @ 120 Hz
Impedance Curve:	See page 3
Frequency Response (-6 dB):	38 Hz to 22 kHz (half space)
Harmonic Distortion, 96 dB:	See page 4
Network Voltage Drive:	See page 5, 6, 7
Crossover Frequencies:	600 Hz, 2800 Hz
System Polarity:	E.I.A.

**SYSTEM COMPONENTS & PHYSICAL SPECIFICATIONS**

Bass Transducer:	Century 1200
Mid Frequency Transducer:	Century 500
High Frequency Transducer:	050Gold
Crossover Network:	331354
Enclosure Volume:	1.8 cu. ft., 32 Hz Tuning
System Dimensions:	26.5" H x 15" W x 11.88" D (Grille + 0.6" D)
Weight:	60 lb

Design Engineer Greg Timbers

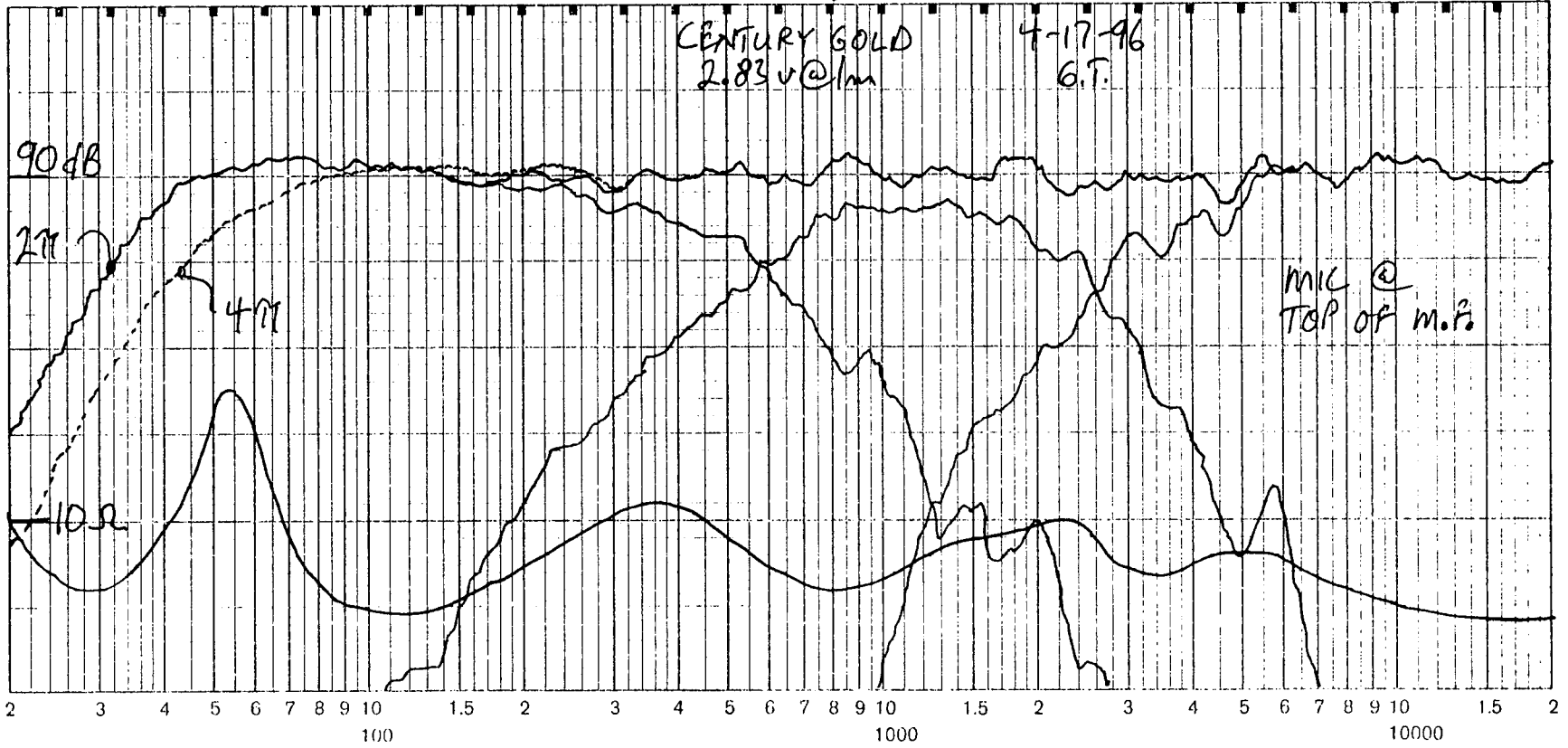
## ENGINEERING TEST SPECIFICATIONS

Frequency Response (System): Microphone located at top of MF frame at 1 meter, centered horizontally	± 1.5 dB, 50 Hz to 12500 Hz, ± 2.0 dB, 12500 Hz to 20000 Hz, All slopes must be 36 dB/ Octave	1/3 Oct. 1/3 Oct.
Voltage Drive: L.F., 8 Ω Load	± 0.4 dB, 20 Hz to 200 Hz, ± 0.7 dB, 200 Hz to 500 Hz, ± 1.0 dB, 500 Hz to 1000 Hz, ± 2.0 dB, 1000 Hz to 6400 Hz, All slopes must be 36 dB/Octave	1/6 Oct. 1/6 Oct. 1/6 Oct. 1/3 Oct.
M.F., 8 Ω Load	± 2.0 dB, 20 Hz to 200 Hz, ± 1.0 dB, 200 Hz to 400 Hz, ± 0.5 dB, 400 Hz to 2500 Hz, ± 1.0 dB, 2500 Hz to 5000 Hz, ± 2.0 dB, 5000 Hz to 20000 Hz, All Slopes must be 36 dB/ Octave	1/3 Oct. 1/6 Oct. 1/6 Oct. 1/6 Oct. 1/3 Oct.
H.F., 8 Ω Load	± 2.0 dB, 800 Hz to 1600 Hz, ± 1.0 dB, 1600 Hz to 2500 Hz, ± 0.7 dB, 2500 Hz to 5000 Hz, ± 0.5 dB, 5000 Hz to 20000 Hz, All Slopes must be 36 dB/ Octave	1/3 Oct. 1/6 Oct. 1/6 Oct. 1/6 Oct.
System Polarity:	LF - E.I.A.; MF, HF - Reverse	
Dynamic test:	6 V. 20 Hz to 20000 Hz	
Power Test:	30 V, I.E.C. Shaped Noise, 8 Hours	
Transit & Environmental Test:	A.S.T.M. Tropical	

Brüel & Kjær

CENTURY GOLD  
2.83 v @ 1m

4-17-96  
G.F.



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