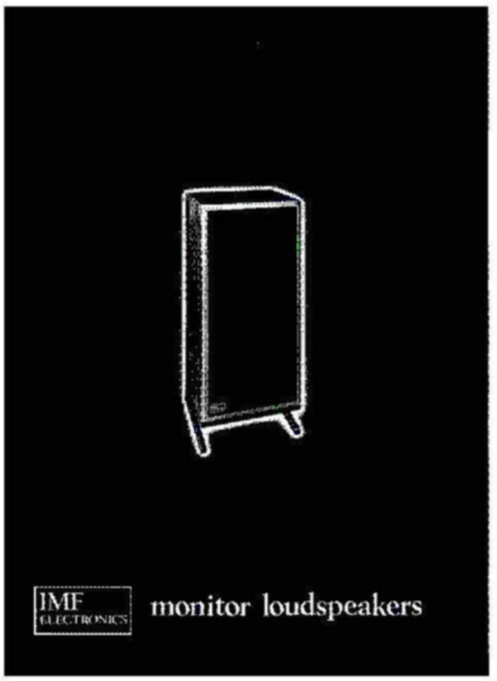
IMF TLS80



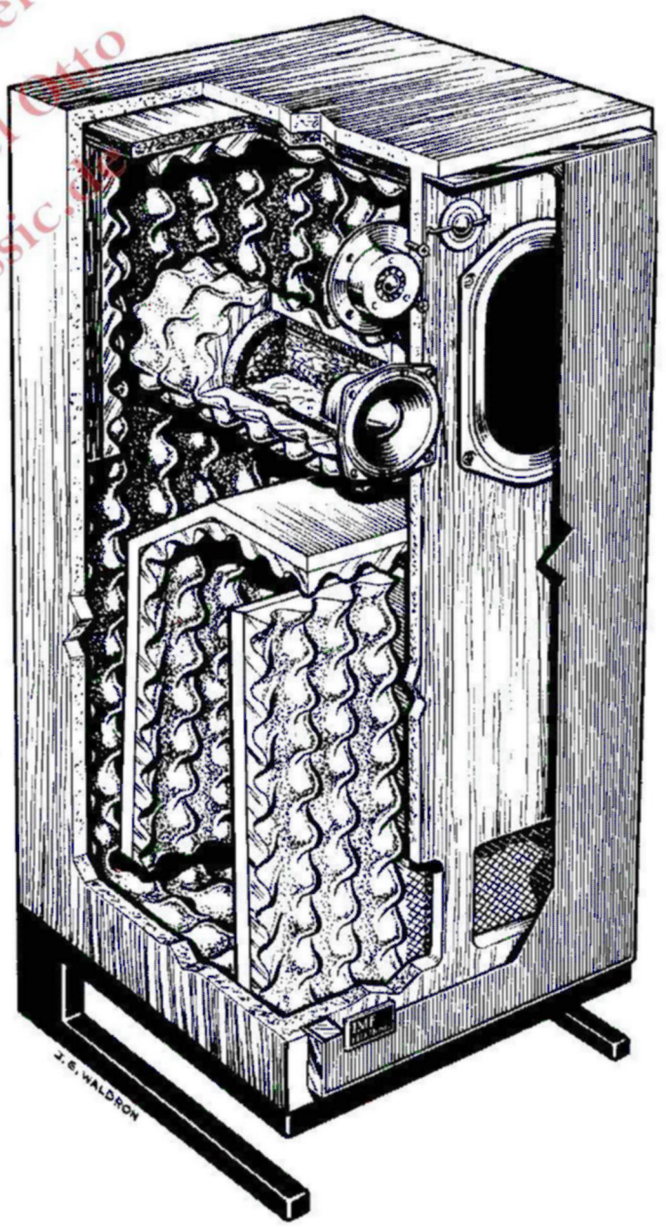
Based upon the world acclaimed Reference Standard Professional Loudspeakers, the Monitor TLS 80 II fulfills the need of the dedicated audiophile for a speaker of comparable quality, but tailored for home use.

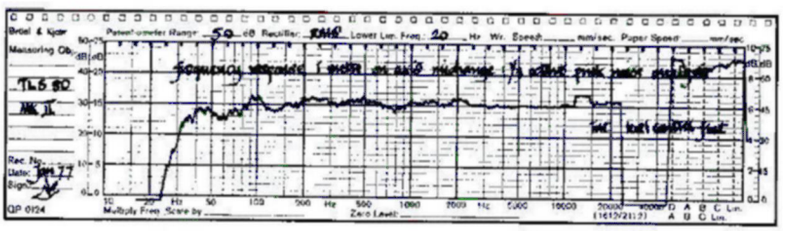
Full transmission line loading incorporates new damping materials. Acoustic foam, as used in anechoic chambers, is 'sculptured' to produce a wedge effect where the maximum surface area is exposed to damp the line, yet presenting the minimum of restriction. A separate midrange line is similarly terminated whilst standing waves are progressively absorbed by long hair wool. Both a tweeter and a super-tweeter are employed to ensure power handling conducive with wide dispersion and extended response beyond the limits of human hearing. Only a transmission line can provide the dynamic impact experienced in the concert hall. Bass is reproduced within the listening room rather than in a box. If there were a better method of loading, we would have employed it.

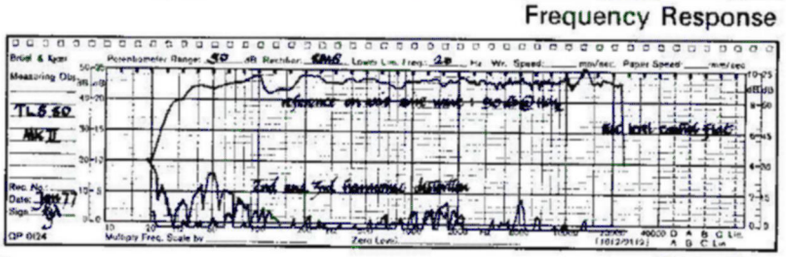
The whole system is integrated by a complex crossover, developed as the result of research in depth into the problems of phase correction, impulse response and amplifier matching. A three position 'TILT' control enables the energy response to be modified from nominally flat to 'Rise' or 'Fall', compensating for the location, the characteristics of ancillary equipment, or even personal preference.

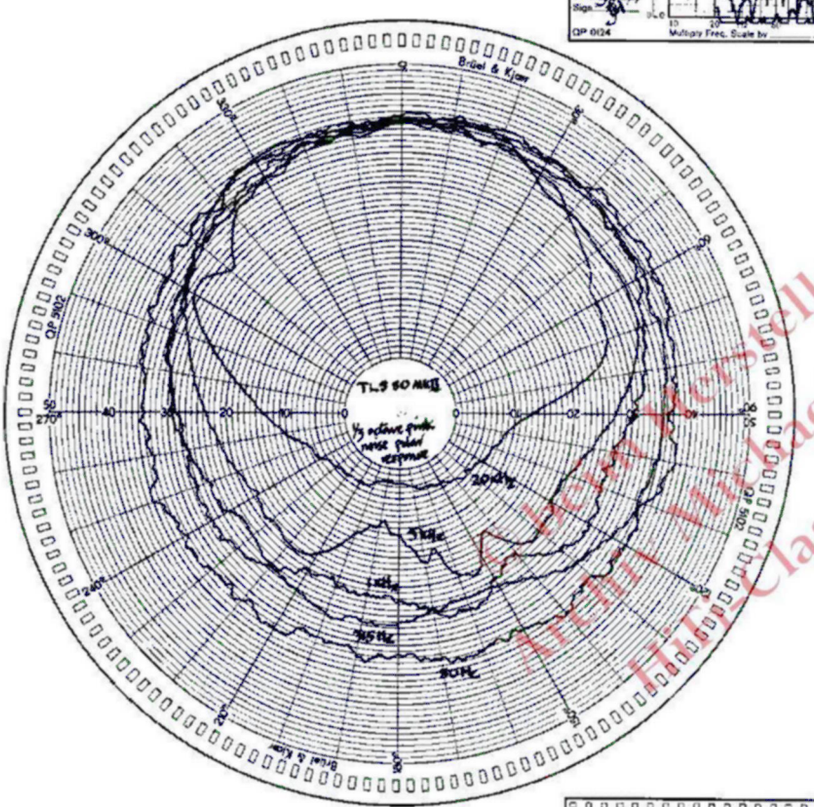
Like the Reference Standard, the speakers are designed to be used on the stands provided. These ensure that the loudspeakers are supported off the floor, reducing room colouration components. Importantly they slightly tilt the speakers back, maintaining a substantially flat response both axially and hemispherically.

There is very little that need be said about the Monitor, which is both neutral yet exciting. Supplied in matched 'mirror image' pairs the stereo presentation is stable, portraying great detail with the uncanny ability to reproduce the acoustic environment of the original performance. We suggest that you audition these speakers with the finest ancillary equipment. In the tradition of our monitoring approach to loudspeaker design the TLS 80 II is capable of providing greater satisfaction over a wider range of programme material.

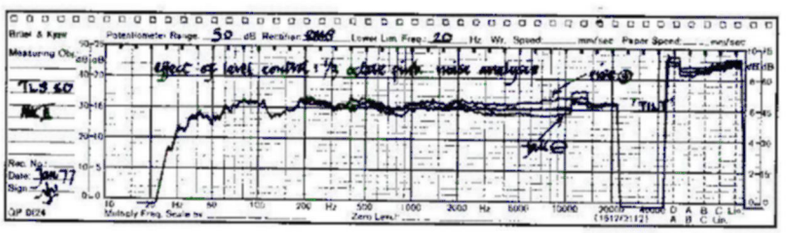


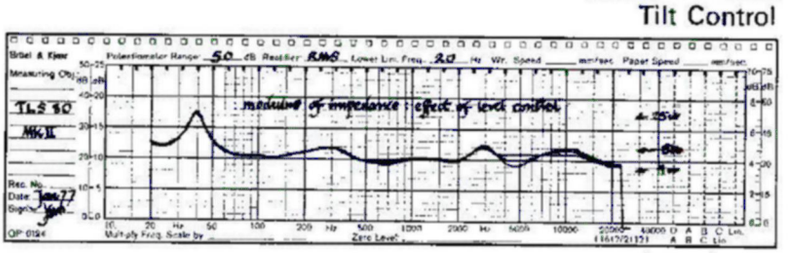






Conditions of test : Measurements of samples taken under anechoic conditions with reflection coefficient better than 0.1. Equipment employed B & K pen recorder, noise and signal generator, third octave filters and polar turntable.





NOMINAL SPECIFICATIONS

Dimensions	38½″ x 16″ x 18″ wide 98 cm x 41 cm x 46 cm Overall height on stand: allow 42″ (107 cm)
Drive Units	11¾″ × 8¼″ (30 cm × 21 cm) flat polystyrene bass unit loaded by transmission line 6″ (15 cm) plastic cone midrange in separate line 1¾″ (4.5 cm) diaphragm high gauss tweeter ¾″ (2 cm) chemical dome super-tweeter
Crossover	Electrical four way at 350 Hz, 3 kHz and 13 kHz
Frequency Range	20 Hz to beyond audibility
Frequency Response & Distortion Characteristics	See Graphs
Dispersion	See Polar Diagram
Control	TILT: see graph
Matching Impedance	4-8 ohms
Efficiency Measured via Pink Noise at 1 metre for 40 watts	98 dB (dependant on Control setting)
Driving Power Requirements	40 - 100 watts
Nett Weight (each)	37 kilos
Gross Weight packed (each)	45 kilos
Nett Weight of Stands (each)	7 kilos
Gross Weight of Stands packed (pair)	20 kilos
Gross Weight Consignment (pair with stands) packed	110 kilos

Subject to alteration without notice

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