Produced for more than 14 years, the D-28 has now been revised in many details. The improvements relate to the acoustic-musical side as well as to the inside mechanics. In terms of technical data and measurements the D-28/2 is fully compatible with its predecessor. The application of this soft dome tweeter in 2-way systems from app. 2,000 Hz is found in many prestigious brands and often with 6 dB crossover designs.

The D-28/2 is a perfect match for 3-way constructions as well. As proven by the measurements shown here, the dynamic response of this tweeter is simply outstanding. It fully documents the advantage of this professional designed soft-dome set against any other product.

Frequency response and impedance curve of the D-28/2, distance: 1 m, on-axis, 30° and 60°.

The MLSSA measurements show the pulse response of the D-28/2.

Dynamic Measurements

Levels of 1, 3, 10, 30, 100, 300 and 1,000 watts were applied while recording the curves. The parallel arrangement of the curves indicates that even fast 1,000 W peaks do not produce any compression.

MLSSA Waterfall Plot

The MLSSA cumulative spectral decay (waterfall) plot shows the energy/time response of the D-28/2. These unique results clearly show that delayed reflections have been reduced to a minimum.

Specifications

- Thiele-Small Parameter:
  - Q, mechanical: 0.71
  - Q, electrical: 0.97
  - Q, total: 0.41
  - Resonance free air: f_r = 880 Hz
  - force factor: BxL = 3.9 Tm
  - eff. cone area: S = 7.7 cm²
  - moving mass: M = 0.53 g
  - Lin. excursion (p-p): x_max = 0.3 mm
  - max. excursion (p-p): x_max = 3.2 mm

- Power handling, depending on crossover:
  - nominal: 130 W
  - transient: 100 W

- Voice coil: d = 28 mm
  - h = 2.8 mm
  - n = 2
  - L = 6 ohms
  - Z = 5.2 ohms

- Sensitivity: 2.63 V

- Net weight: 966 g
  - Overall dimensions: 611 x 46 mm