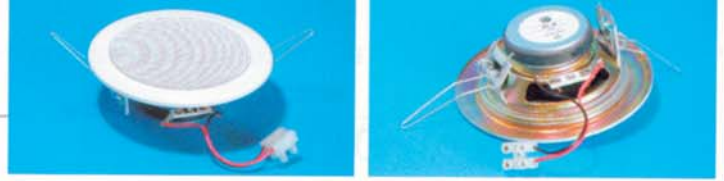


Visaton DL10



Assessment

The third ceiling-mounted candidate we tested from Visaton also impressed us with its extremely smooth frequency response from 100 Hz to 10 kHz even though the dips in the graph in the high-frequency range are slightly more noticeable than in the smaller DL8 and have a corresponding effect on deviation in this frequency range. These slight narrow-range deviations are, however, virtually inaudible which is why we feel able to rate the DL10 as one of the candidates with the best sound properties. Thanks to its -3 dB point lying just below 100 Hz, it has no difficulty reproducing male voices right across their frequency range. The maximum level graph shows that this four-inch speaker with its 30 watt

(music) output, 20 mm voice coil and 5 mm stroke, is virtually unshakeable. Distortion only exceeds 3% below 200 Hz and at a few individual frequencies. The DL10 would probably also cope well with far higher outputs without impairing the sound quality. As an alternative, there is a 100V/6 watt version available with its transformer mounted on the rear of the magnet.

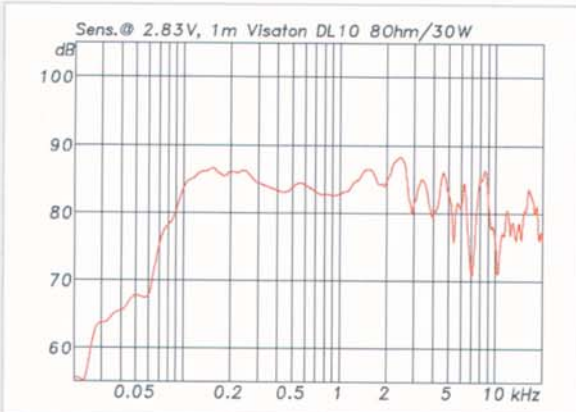
In terms of directional properties, the speaker's output is spherical up to 2 kHz as a result of its physical characteristics and tightens up uniformly above this level. Fitting of this elegantly designed and beautifully finished speaker is, once again, by means of two powerful spring-loaded clips which keep it firmly in place.

Specifications

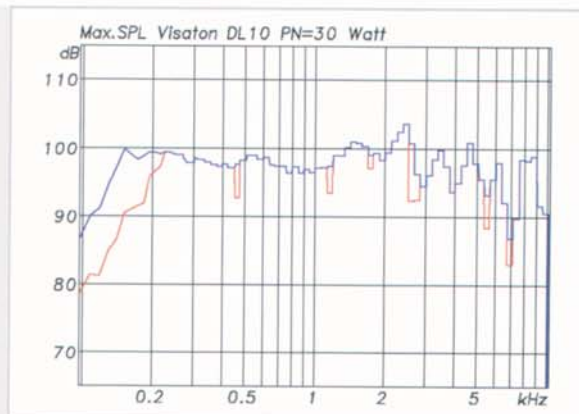
Speaker type	8 /30 W, one way
Cut-out size	11 cm
Weight	400 gr.
Option	100V/6 watt version
Price	approx. DM 52.60

Specifications

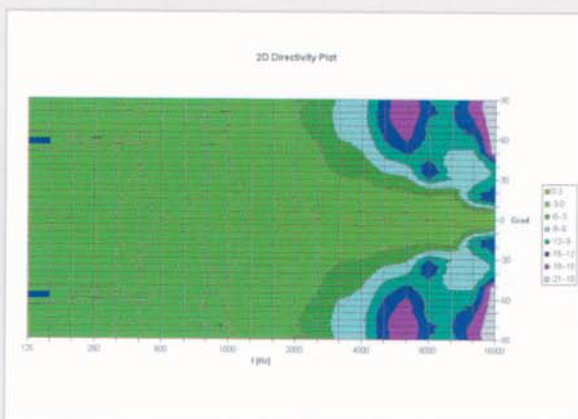
Sensitivity 100 Hz to 10 kHz 1W/1m	84.1 dB
Sensitivity 200 Hz to 3 kHz 1W/1m	84.5 dB
Deviation 100 Hz to 10 kHz	10.2 dB
Deviation 200 Hz to 3 kHz	4.9 dB
Max. SPL 100 Hz to 10 kHz	97.1 dB
Max. SPL 200 Hz to 3 kHz	98.5 dB
Radiation angle -6 dB (up to 10 kHz)	±25°
Radiation angle -6 dB (up to 3 kHz)	±90°



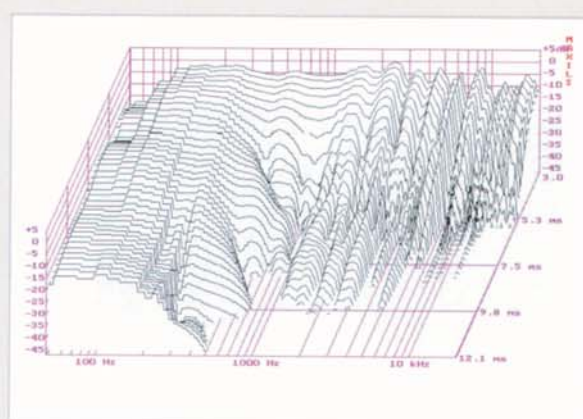
Frequency response DL10



Maximum level DL 10



Directivity DL 10



Fall-off spectrum DL 10