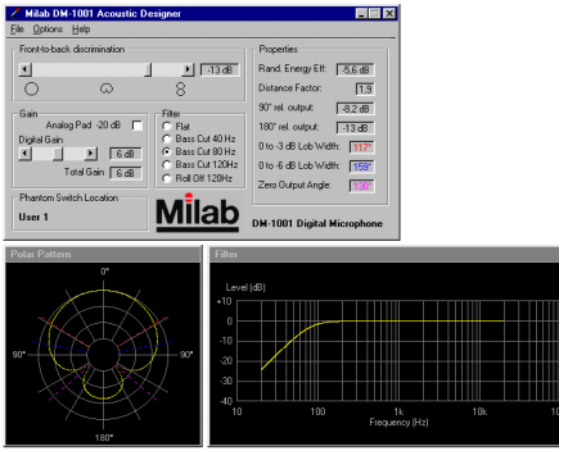
DM-1001 Digital Microphone

Art. No 1001

- **AES/EBU Digital Output**
- **Rectangular dual capsule**
- **Computer controlled filters and polar pattern**
- **24-bit/48 kHz Sigma-Delta ADC**

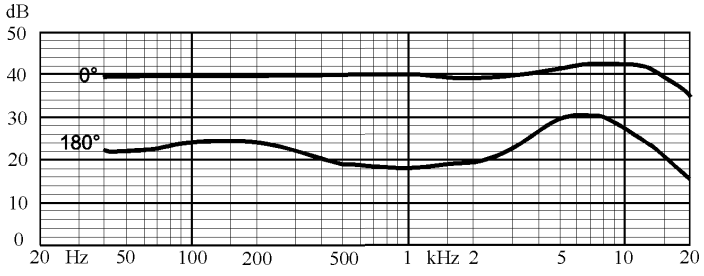


Screenshot of Milab Acoustic Designer
for Computer Control of the DM-1001

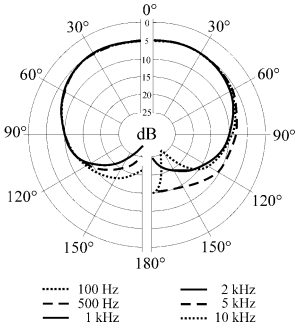
Frequency response	20-20 000 Hz (See graph)
Polar patterns (switchable)	*Standard*: Cardiod, Wide Cardiod, Omni, Super Cardiod, Figure - 8 *User-definable*: All between Cardioid – Omni – Figure-8. Controlled by computer program, with in-house-developed PC-software. Settings can be stored in the control unit.
Filters (DSP-controlled Ver. 1.00)	40 Hz Bass Cut 12 dB/oct 80 Hz Bass Cut 12 dB/oct 120 Hz Bass Cut 12 dB/oct 120 Hz Roll Off 6 dB/oct
Pre-attenuation (switchable)	-20 dB
Digital sensitive. Max SPL for full-scale at 1 kHz	124 dB
with 20 dB pad	144 dB
A-weighted noise level (acc. to IEC 179-A)	≤ 18 dB
Digital Output	AES/EBU
Microphone	
Net weight	730 g
Length	237 mm
Diameter	40 / 48 mm
Control unit	
Net weight	1750 g
Size	48 mm x 111mm x 171 mm

Frequency response (cardiod at 1m distance)

The frequency response may vary within ± 2,5 dB of the published graph. Before delivery, each microphone is measured and accompanied with it's own graph for the cardiod position.



Polar diagram



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