

LOUDSOFT MICROPHONE FL1

DATA SHEET



The LOUDSOFT FL1 is a high quality microphone made in Denmark. The gold plated diaphragm and a double-vent protection system ensures the highest durability in production environments.

Directional characteristics:

Omni directional

Principle of operation:

Pressure

Cartridge type:

Pre-polarized condenser

Power supply:

48 V Phantom power

Frequency range, ± 2 dB:

20 Hz – 20 kHz

Sensitivity, nominal, ± 3 dB:

6 mV/Pa; -44.5 dB re. 1 V/Pa

Equivalent noise level, A-weighted:

Typ. 26 dB(A) re. 20 μ Pa (max. 28 dB(A))

S/N ratio, re. 1 kHz at 1 Pa (94 dB SPL):

68 dB(A)

Total Harmonic Distortion (THD):

<1 % up to 123 dB SPL peak

Polarity:

Inward movement of diaphragm produces positive going voltage on pin 2

Cable drive capability:

Up to 300 m (984 ft)

Connector:

3-pin XLR (Standard P48)

Dynamic range:

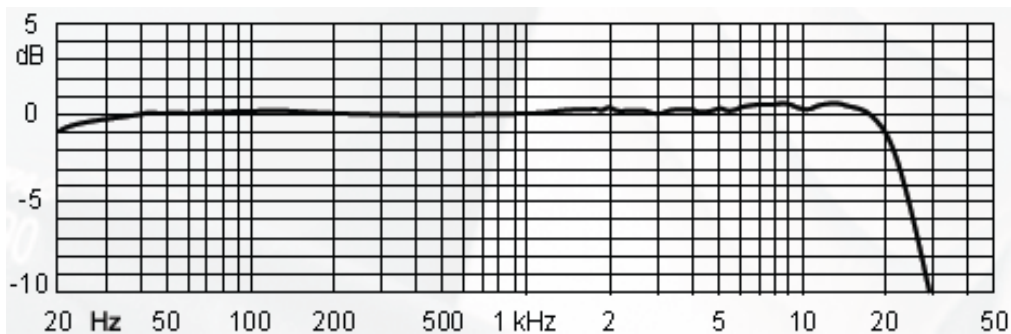
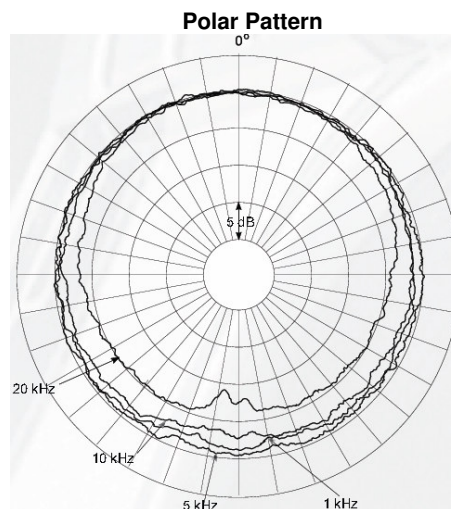
Typ. 97 dB

Max SPL, peak before clipping:

144 dB

Output impedance:

<40 Ohm



On-axis Frequency Response of LOUDSOFT microphone FL1 in free field.

Agern Alle 3 – 2970 Horsholm – Denmark
Tel: (+45) 4582 6291 - Fax (+45) 4582 7242