

## UltraSoundGate 1/4" Mic Power Module with 7-pin LEMO 1B input connector

The 1/4" microphone power module allows to connect 1/4" (or 1/8") measurement microphones directly to the UltraSoundGate xx16x units, which can greatly simplify the use of measurement microphones in the field (otherwise a separate power supply module / conditioning amplifier would be required). It is powered from the UltraSoundGate base unit and includes a low-noise preamplifier and a switchable 15 kHz high pass filter.

Compatible 1/4" preamplifiers are for instance G.R.A.S. 26AC, B&K 2670 or Microtech Gefell MV 302.



### Specifications

Input connector : female 7-pin LEMO 1B socket

Frequency range : 20 Hz ... 200 kHz

Gain : 30 dB

Inherent noise (20Hz-20kHz) : 0.5  $\mu$ V (-125 dBu)

Optional high-pass filter cut-off frequency : 15 kHz

Preamplifier supply voltage (LEMO pin 6): 28 V

Max preamplifier supply current available at pin 6: 1 mA

Polarization voltage (LEMO pin 3): 200 V (derived from the USG base unit)

Current drawn from the +5V USG base unit power supply rail (G.R.A.S. 26AC attached): 25 mA

Physical dimensions : 85 x 32 x 26 mm

Weight : 90 g