



3384

Measuring Microphone

- Size 1/2"
- Precise
- Robust
- Balanced
- Calibrated

Accessory to Product-series:

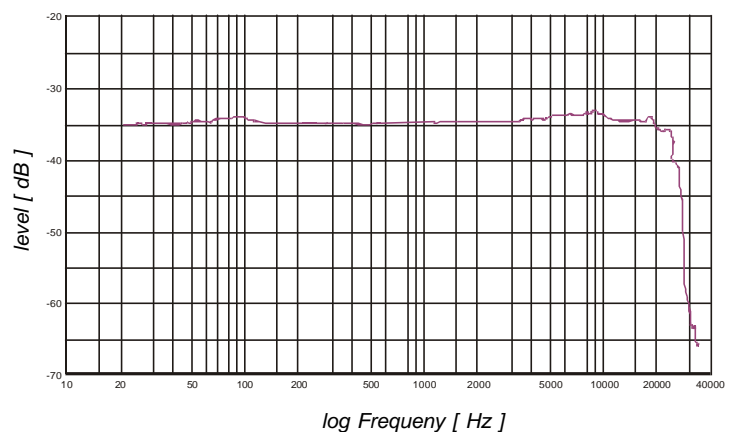
- Pro Audio Analyzers
- Multitone Analyzers
- Telecom Analyzers



This very compact measuring microphone with an overall shell-length of less than 2" (50mm) is especially designed for

- Acoustic Measurements
- Research & Development
- Telecommunication Industry

Frequency Response, free field conditions





the protection-case includes
 1x microphone cartridge
 1x pre-amplifier
 1x detachable 5ft. cable
 1x wind-protection
 1x calibration-certificate with
 - frequency-response
 - sensitivity-value
 1x mic-stand
 1x individual serial number

Specifications

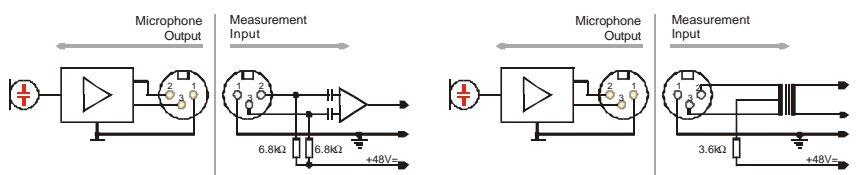
<i>Microphone type</i>	pre-polarized condenser, free field transducer
<i>Nominal diameter</i>	1/2"
<i>Polar pattern</i>	omni-directional
<i>Sensitivity</i>	-26 dBV/Pa, 50 mV/Pa @1 kHz, ±3 dB
<i>Flatness</i>	100 Hz - 4 kHz ±1 dB 20 Hz - 20 kHz ±3 dB in accordance with IEC60651, Type 1
<i>Measurement range</i>	25-130 dB _{SPL} , (A-weighted)
<i>Distortion limit (3%)</i>	130 dB _{SPL} @ 1 kHz
<i>Equivalent Noise level</i>	< 24 dB _{SPL} (A-weighted)
<i>Temperature coefficient</i>	0.01 dB / °C @ -10° to + 60°
<i>Long term stability</i>	>250 years /dB
<i>Electrostatic capacitance</i>	18 pF (cartridge only)
<i>Output impedance</i>	200 Ohm (balanced)
<i>Power supply</i>	48 VDC phantom power
<i>Power consumption</i>	< 4.5 mA
<i>Overall shell length</i>	50 mm (1.9") without connector < 80 mm (3.1") with cable connected
<i>Diameter</i>	12.7 mm (0.5") bare 13.2 mm (0.52") with protective cap
<i>Connectors</i>	3 pole XLR (NEUTRIK®) 3 pole NanoCon® (NEUTRIK®)
<i>Cable length</i>	1.5 m (5 ft)



connector 3 pole NanoCon

The measuring microphone 3384 features
 - a tensioned stainless steel diaphragm
 - steatite insulators
 - pre-polarized electret on the back plate
 - chrome plated bronze housing

PHANTOM Power Wiring Diagram



Phantom power insertion with AC coupled amplifiers.

Phantom power insertion by input transformer with center tapping (floating).

The detachable microphone cable between the cartridge and the pre-amplifier simplifies adaptations into mechanical fixtures (such as robotic arms), to the user's convenience.



Less noise · More sound

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