

## 3386 High Level Measuring Microphone

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

### Accessory to Product-series:

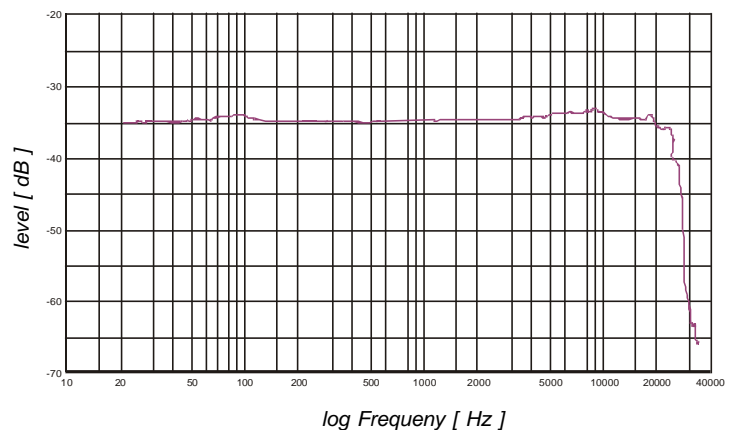
- Speaker Analyzer
- Pro Audio Analyzer
- Multitone Analyzer
- Telecom Analyzer



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

- Speaker & Driver Testing
- 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>	-30 dBV/Pa, 30 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>	26-145 dB <sub>SPL</sub>
<i>Distortion limit (3%)</i>	145 dB <sub>SPL</sub> @ 1 kHz
<i>Equivalent Noise level</i>	< 26 dB <sub>SPL</sub> (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>	< 2.3 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)

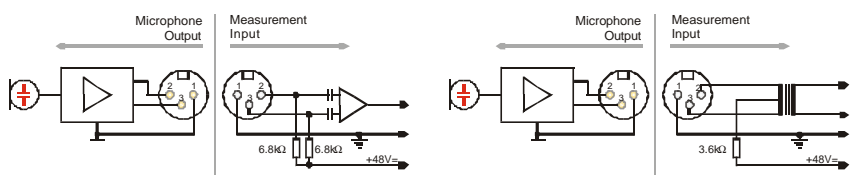


connector 3 pole NanoCon

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

The measuring microphone 3386 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).



Less noise · More sound  
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