

M2914 Low Noise Measurement Microphone



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The measurement microphone M2914 has a particularly low residual noise level of just 6.5 dBA and is designed for acoustic measurements of very low sound pressure levels.

The polarization voltage for the externally polarized measuring microphone capsule is generated in the measuring microphone preamplifier. The electrical connection is via BNC cables to measuring channels with ICP supply. For applications with our Sound Level Meters, the ICP Adapter ASD accessory is required for this purpose.

Features

- Free-field microphone
- 5 Hz to 20 kHz
- 6.5 dBA to 103 dBA
- ICP (BNC)

SPECIFICATIONS

Microphone Type	Omnidirectional, pre-polarized condenser, free-field microphone
Capsule / Transducer	½" detachable with 60UNS2 thread, type WS2F according IEC 61094-4 matched with preamplifier
Flatness tolerance bands typical	±2 dB @ 10 Hz to 16 kHz ± 3dB @ 5 Hz to 20 kHz
Sensitivity typical @ 1 kHz	320 mV/Pa
Residual Noise Floor typical	6.5 dBA
Maximum SPL @ THD 3%, 1 kHz, S_typical	Peak 103 dB RMS 100 dB
Temperature Coefficient	≥ 0.01 dB/°C
Temperature range	-20 to +60 °C (-4 to 140 °F)
Pressure Coefficient	-0.00001 dB/Pa
Humidity	< 90%, R.H. (non-condensing)
Power supply	24 to 30 VDC
Current Consumption typical	4 to 20 mA
Output impedance	< 100 Ω
Connector	BNC
Diameter Dimensions	12.7 mm (0.5") protection grid 13.2 mm (0.52")
Length Dimensions	135 mm (5.3")
Weight	250 g (8.8 oz)
Windscreen Diameter	50 mm (2")
Scope of Supply	Windscreen, Microphone holder
Order Information	M2914 Low Noise Measurement Microphone NTi Audio # 600 040 240
	ICP Adapter ASD (for operation with XL2 or XL3) NTi Audio # 600 010 223

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