

The MP-1103 is an exceptional 4-inch Piezoelectric speaker renowned for its unparalleled performance in challenging environments. It is incredibly lightweight, making it the perfect choice for military use. The phenolic cone and plastic housing provide superior moisture resistance, ideal for high-humidity areas. Its piezoelectric driver is highly durable and can handle high power without the risk of burnout, making it excellent for use in MRI rooms due to its non-magnetic nature.

This speaker is a marvel of MISCO's innovation, engineered to be feather-light and powerful, delivering crystal clear voice and alarm applications without needing a voice coil or magnet.

- Unparalleled performance in demanding environments
- Lightweight and tailored for military use
- Superior moisture resistance
- Durable piezoelectric driver, ideal for use in MRI rooms
- Delivering clear voice and alarm applications without needing a voice coil or magnet

MISCO engineers use the world's most sophisticated loudspeaker measurement systems, including the Klippel Analyzer, to maximize and confirm the speaker's design and the Klippel QC module to ensure perfect unit-to-unit consistency and reliability.



#### Primary Specifications

<b>Size, Nominal (inch &amp; mm)</b>	4" (100 mm)
<b>Rated Impedance (<math>\Omega</math>)</b>	1000
<b>Sensitivity (dB SPL) <sup>1</sup></b>	80
<b>Frequency Range (Hz)</b>	450 - 20, 000
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	500

### More Specifications

<b>Application</b>	Medical, Military, Outdoor , Signal / Alarm Systems, Voice Communications
<b>RoHS Compliant</b>	No

### Small Signal Parameters

<b>Nominal Impedance (Z) (<math>\Omega</math>)</b>	1000
<b>Voice Coil Inductance (Le) (mH)</b>	
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	500
<b>Total Q Factor (Qts)</b>	0.83

### Material Descriptions

<b>Basket Type</b>	Plastic
<b>Terminal Size (mm)</b>	5.2 x 0.5mm (0.205" x 0.02")
<b>Magnet Material</b>	Piezo Element
<b>Cone Body Material</b>	Phenolic treated cloth - yellow
<b>Cone Surround Material</b>	Phenolic treated cloth - yellow
<b>Net Weight (kg)</b>	0.032

