MEMS Mic Interface Box

for the FX100 Audio Analyzer

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The MEMS Mic Interface Box converts the digital output signals of up to eight MEMS microphones into individual analog audio channels.

The microphone output signals, which must be encoded in ½ cycle PDM format, are simultaneously D/A converted and then measured by the FX100 Analyzer. The operator may select the clock frequency or activate the calibration mode to allow adjusting the input level of the analyzer.

Applications and Key Features

- Plug-and-play solution for analyzing MEMS microphones in the lab or an automated production environment.
- Easy remote control via PC-software and USB, including output level calibration mode, selection of clock frequency etc.

Specifications

Connectors	• Digital input: .100" x .100" 26 pin male • Analog output: XLR male • Remote control: USB type B • Power plug: 2.0 x 5.5 x 16.0 mm, + —⊙— −
Electrical rating	• Power supply: 7...12 VDC, min. 100 mA • Digital input: ½ cycle PDM, 1.8 V / 3.3 V • Clock frequency: 781.25 kHz / 2.5 MHz / 3.125 MHz • Analog output: 3 Vmax
Dimensions	265 x 200 x 53 mm (10.44" x 7.88" x 2.1")
Weight	1.0 kg (2.2 lbs.)
Temperature range	0 to +50 °C (32 to 122 °F)
Humidity	< 90% RH (non-condensing)
NTi Audio #	600 090 000

All information subject to change without notice.