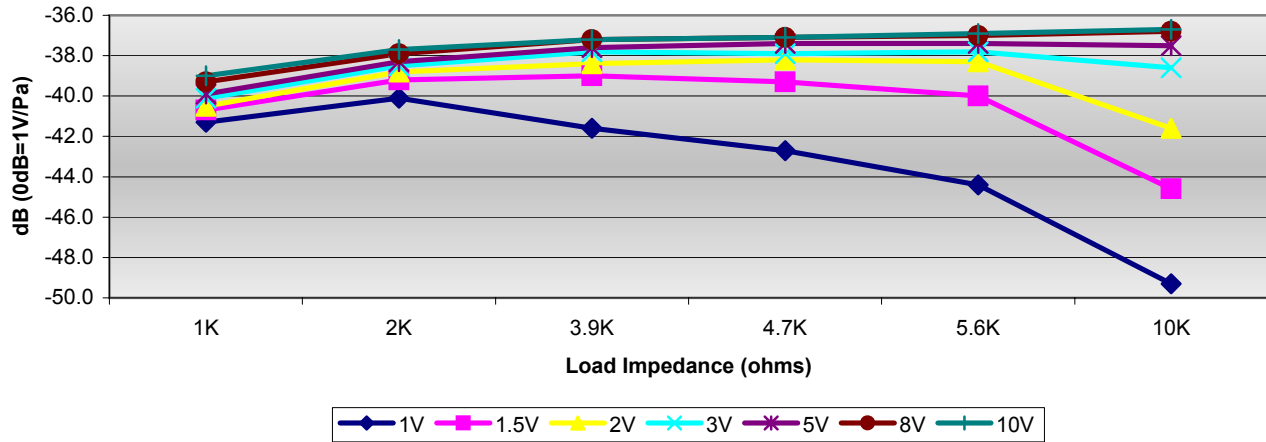


## EM173 Microphone 3-wire type

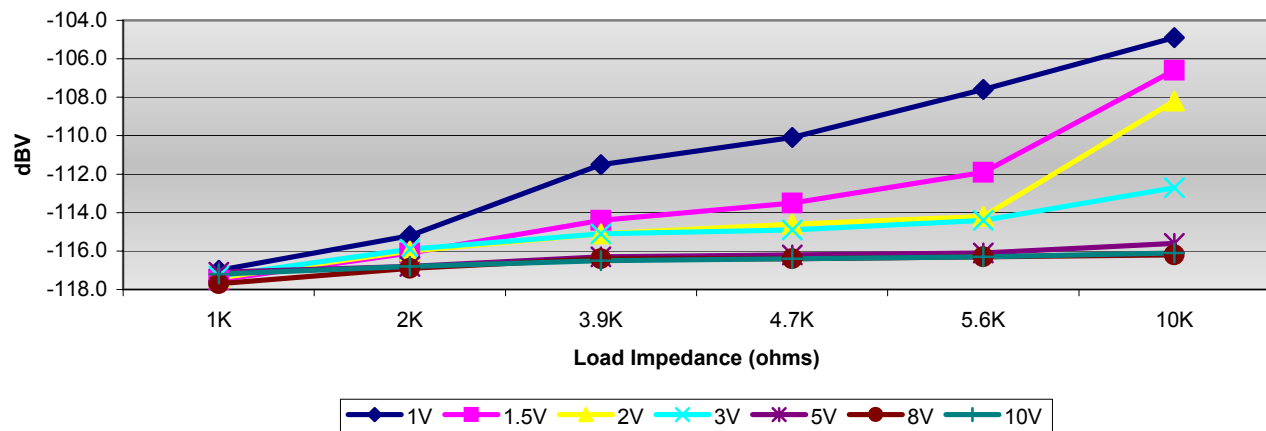
Change in Resistance vs Voltage vs Sensitivity vs Noise

Unit as specified: -37.5dB (0dB=1V/Pa) RL=5.6K ohm, VL=5V, 50cm Free Field.

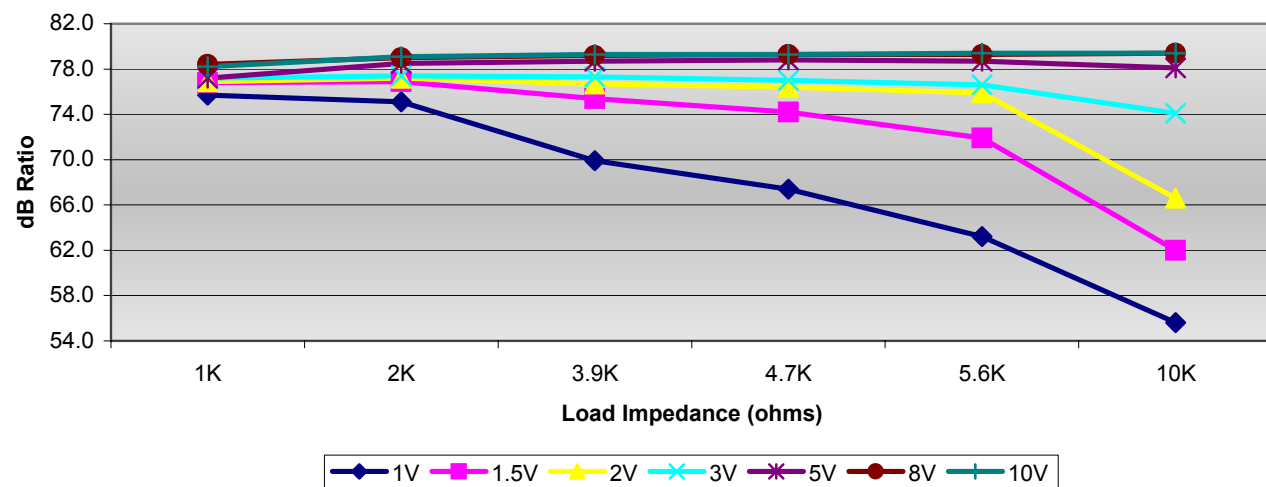
Sensitivity RL vs VL



Noise Level RL vs VL



Signal to Noise RL vs VL



## EM173 Microphone 3-wire type

Change in Resistance vs Voltage vs Sensitivity vs Noise

### Sensitivity at 1KHz

		Load Resistance					
		1K	2K	3.9K	4.7K	5.6K	10K
Voltage	1V	-41.3	-40.1	-41.6	-42.7	-44.4	-49.3
	1.5V	-40.7	-39.2	-39.0	-39.3	-40.0	-44.6
	2V	-40.5	-38.8	-38.4	-38.2	-38.3	-41.6
	3V	-40.1	-38.5	-37.8	-37.9	-37.8	-38.6
	5V	-39.9	-38.3	-37.6	-37.4	-37.4	-37.5
	8V	-39.3	-37.9	-37.2	-37.1	-37.0	-36.8
	10V	-39.0	-37.7	-37.2	-37.1	-36.9	-36.7

### Noise Floor

		Load Resistance					
		1K	2K	3.9K	4.7K	5.6K	10K
Voltage	1V	-117.0	-115.2	-111.5	-110.1	-107.6	-104.9
	1.5V	-117.5	-116.1	-114.4	-113.5	-111.9	-106.6
	2V	-117.4	-116.0	-115.1	-114.6	-114.2	-108.2
	3V	-117.3	-115.9	-115.1	-114.9	-114.4	-112.7
	5V	-117.1	-116.8	-116.3	-116.2	-116.1	-115.6
	8V	-117.7	-116.9	-116.4	-116.4	-116.3	-116.2
	10V	-117.2	-116.8	-116.5	-116.4	-116.3	-116.1

### Signal to Noise Ratio

		Load Resistance					
		1K	2K	3.9K	4.7K	5.6K	10K
Voltage	1V	75.7	75.1	69.9	67.4	63.2	55.6
	1.5V	76.8	76.9	75.4	74.2	71.9	62.0
	2V	76.9	77.2	76.7	76.4	75.9	66.6
	3V	77.2	77.4	77.3	77.0	76.6	74.1
	5V	77.2	78.5	78.7	78.8	78.7	78.1
	8V	78.4	79.0	79.2	79.3	79.3	79.4
	10V	78.2	79.1	79.3	79.3	79.4	79.4