

# CLIO

ELECTRICAL & ACOUSTICAL TESTS

## MICROPHONES

MIC-01 

MIC-02 

MIC-03 



### ■ PRODUCT DESCRIPTION

MIC-01, MIC-02 and MIC-03 are low cost precision condenser electret microphones perfectly suited for laboratory and on-field acoustical measurements. They have identical performances but differ for their physical size; MIC-01 is preferable for fixed laboratory installations while MIC-02 is highly manageable due to its shorter length; MIC-03 is the best where space saving is a must. Their frequency response is individually tested against specifications and the sensitivity value is supplied. MIC-01, MIC-02 and MIC-03 can be directly connected to your CLIO system's input. The microphone can be supplied with its standard accessories or in the Lite version i.e. without accessories. It is possible to obtain individual frequency calibration data.

### ■ TECHNICAL SPECIFICATIONS

#### ■ MIC-01, MIC-02 & MIC-03

Type: Condenser Electret  
Accuracy (direct field):  $\pm 1$  dB 20Hz÷10KHz,  
 $\pm 2$  dB 10÷20KHz  
Maximum level: 130 dB SPL  
Sensitivity (average): 17mV/Pa

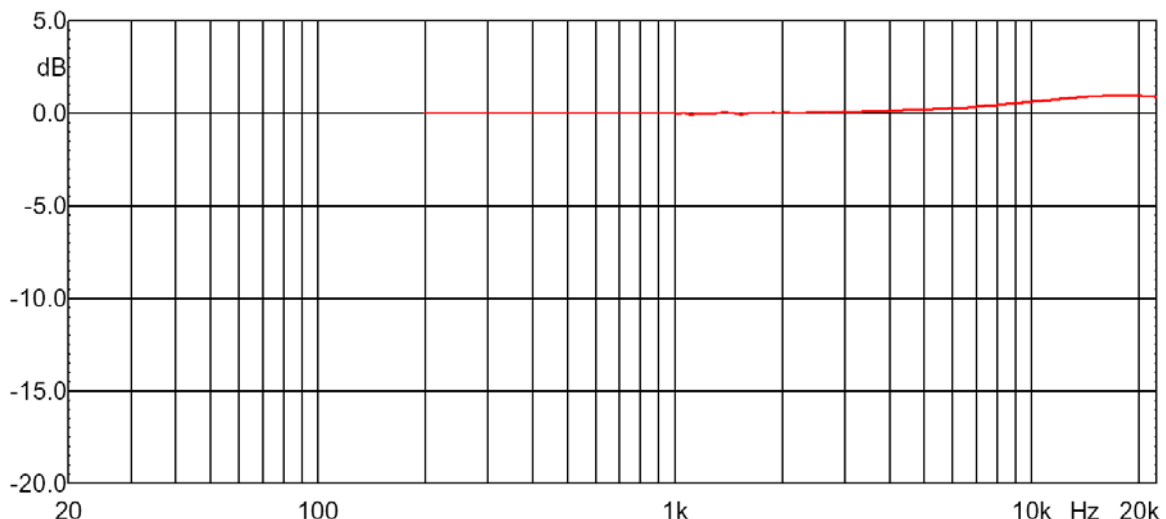
■ MIC-01  
Dimensions: 8mm diameter, 25 cm long

■ MIC-02  
Dimensions: 8mm diameter, 12 cm long

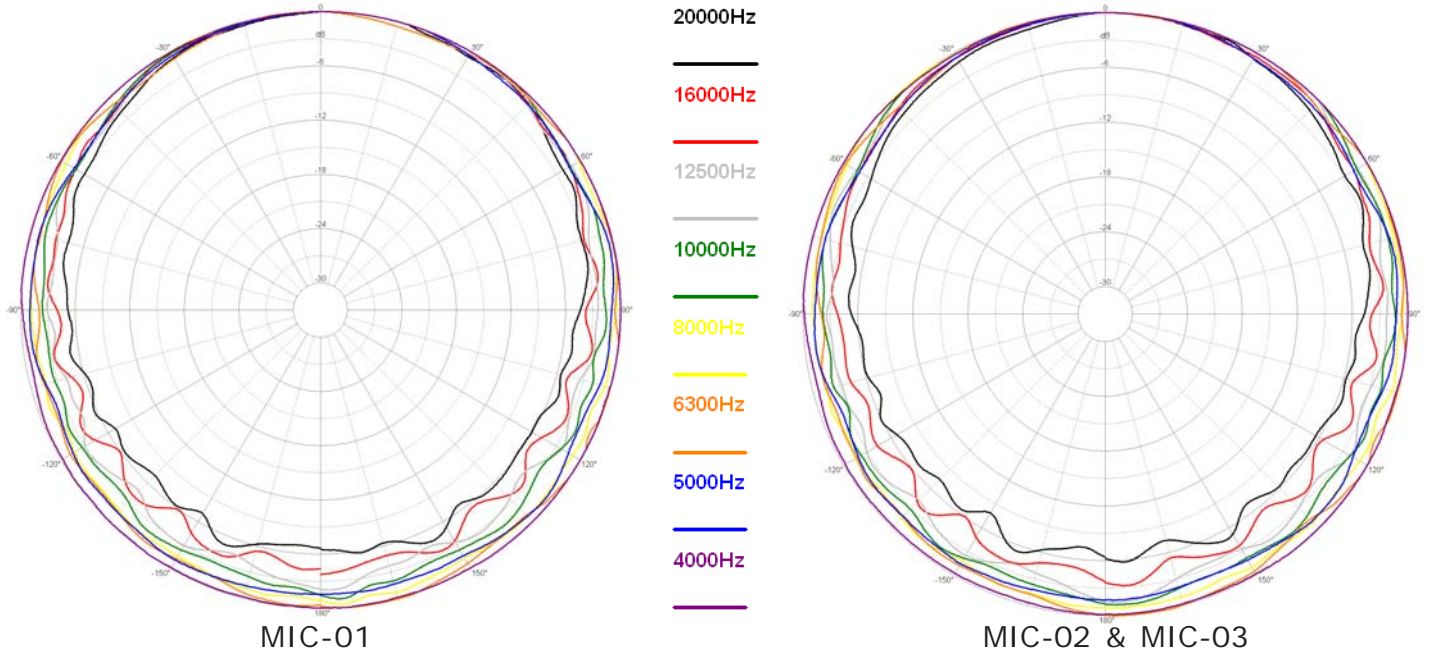
■ MIC-03  
Dimensions: 8mm diameter, 7 cm long

■ POWER SUPPLY  
Voltage: 8.2V  
Impedance: 5.6kOhm

### ■ TYPICAL FREQUENCY RESPONSE

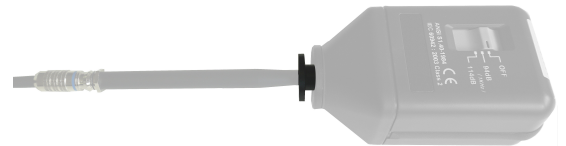


■ POLAR RESPONSE



■ STANDARD ACCESSORIES

The microphone comes with the following accessories:  
 Cable (2.7m)  
 Stand Adapter  
 1/2" Calibrator Adapter (see image)  
 Plastic Case



■ MICROPHONE VERSION LITE

The version Lite of the microphone is without the standard accessories



■ FREQUENCY CALIBRATION CHART AND DATA

Calibration data (on disk) and chart are available upon request.



Serial No:  
Sensitivity:

**Free-field Microphone  
Type MIC 01**

**Calibration Chart**

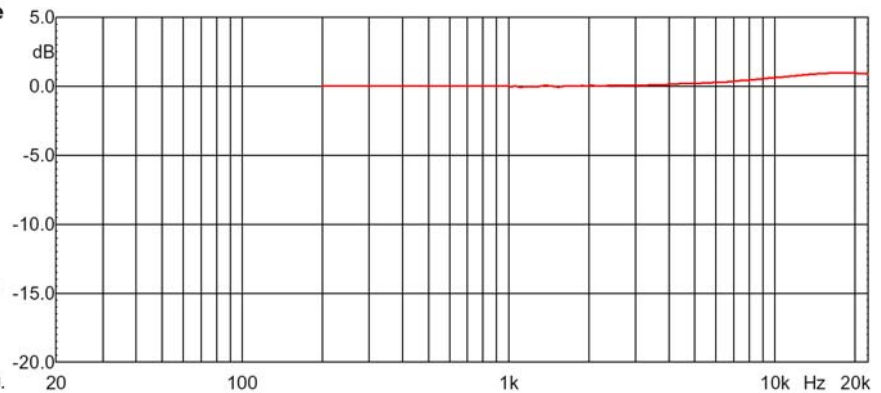
Serial No: **AU0201086**  
 Sensitivity: **-34.6 dB re 1V/Pa**  
**18.58 mV/Pa**

Valid at:  
 Temperature: 25 °C  
 Ambient Static Pressure: 101.0 kPa  
 Relative Humidity: 50 %  
 Frequency: 1000 Hz  
 Polarization Conditions: 8.2-5.6 V-KOhm

**Reference Instruments:**

| MANUF.       | MODEL | SERIAL NO  | CALIB. DATE |
|--------------|-------|------------|-------------|
| HP           | 3468A | 2137A09681 | 20-06-2002  |
| LARSON DAVIS | 812   | 416        | 10-05-2002  |
| B&K          | 4231  | 1759543    | 10-05-2002  |
| B&K          | 4939  | 2345912    | 05-03-2002  |

Date: 06/07/02 Certificate NO: 9206 Signature : M.J.



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