

Applications

- Acoustic precision measurement with 1/2 " prepolarized microphones.

Features

- Robust small preamplifier
- Excellent frequency response



The **MX005** is a unit comprising a preamplifier fed by a constant current ICP® **PA-05** + microphone **P-05**.

The CESVA **PA-05** is fed by 2-20 mA of constant current.

The **PA-05** has been specifically designed to condition the **CESVA P-05** microphone. Because of its low output impedance the **PA-05** can be used with very long, low cost, coaxial cables of BNC-BNC connection cables.

The **MX005** has an excellent frequency response and low noise.

Characteristics

- Nominal microphone diameter: 1/2"
 - Sensitivity (1kHz): 20 mV/Pa \pm 3 dB
 - Dynamic range (3% distortion limit)*: > 130 dB
 - Noise level referred to input*:
 - Frequency weighting A: < 28 dB
 - Frequency weighting C: < 32 dB
 - Linear (1 Hz - 20 kHz): < 40 dB
 - Frequency response: Type 2 (UNE-EN 60651:1996)
 - Excitation:
 - Constant current excitation: 2 to 20 mA
 - Excitation voltage: 18 to 30 V
 - Output bias voltage: 11 to 16 V
 - Output impedance: < 75 Ω
 - Operating temperature: -10 to 50°C
 - Operating relative humidity: 0 to 95%
 - Variation of the sensitivity with the temperature (-10 to 50°C): < 0,7 dB
 - Output connector: BNC female
- *referred to 20 μ Pa

Accessories

- Box

The characteristics, technical specifications and accessories may vary without prior notice