

## MX005

### Microphone P-05 + preamplifier PA-05

#### 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  $\Omega$
  - 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  $\mu$ Pa

#### Accessories

- Box

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