

#### Applications

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

#### Features

- Robust small preamplifier
- Excellent frequency response



The **MX025** is a unit comprising a preamplifier fed by a constant current ICP<sup>®</sup> **PA25** + prepolarized microphone **C240**.

The CESVA **PA25** is fed by 2-20 mA of constant current.

The **PA25** has been specifically designed to condition the CESVA **C240** prepolarized microphone. Because of its low output impedance the **PA25** can be used with very long, low cost, coaxial BNC-BNC connection cables. The **PA25** has a high input impedance which practically stops the microphone from loading.

The **C240** condenser microphone has been developed to supply the sector with greatest demand for precision sound pressure measurement. The use of materials such as nickel and monel, and exhaustive quality control, make the **C240** a highly reliable microphone.

The **MX025** unit has an excellent frequency response and low noise.

#### Characteristics

- Nominal microphone diameter: 1/2"
  - Sensitivity (1kHz): 50 mV/Pa –8/+5 mV/Pa
  - Dynamic range (3% distortion limit)\*: > 136 dB
  - Noise level referred to input\*:
    - Frequency weighting A: < 15 dB
  - Frequency response: Type 1 (UNE-EN 60651:1996)
  - Excitation:
    - Constant current excitation: 2 to 20 mA
    - Excitation voltage: 27 to 30 V
  - Output bias voltage: 15 to 17 V
  - Output impedance: < 50 Ω
  - Operating temperature: -10 to 50°C
  - Operating relative humidity: 0 to 95%
  - Variation of the sensitivity with the temperature (-10 to 50°C): < 0,2 dB
  - Output connector: BNC female
- \*referred to 20 μPa

#### Accessories

- Box

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