

## MX014

### Microphone C240 + preamplifier PA14

#### Applications

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

#### Features

- Robust small preamplifier
- Excellent frequency response



The **MX014** is a unit comprising a preamplifier (**PA14**) and microphone (**C240**) designed by CESVA technology.

The CESVA **PA14** is a small robust preamplifier, designed to condition 1/2" prepolarized microphones as the CESVA **C240** model. It is also compatible with other makes of microphones.

By virtue of its wide frequency response and low noise level, the **PA14** is ideal for precision applications. Because of its low output impedance the **PA14** can be used with long cables. The **PA14** has high input impedance which stops the microphone from loading.

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

The **PA14** preamplifier along with the **C240** prepolarised condenser microphone are the perfect solution for multi channel systems.

#### Characteristics

##### Preamplifier PA14

- Gain (at 1 kHz): -0.15 dB
- Frequency response: ( $\pm 0.5$  dB) 1 Hz to 830 kHz small signal
- Input impedance: 10 G $\Omega$
- Output impedance: < 25  $\Omega$
- Power supply range: 12– 30 Vdc
- Current consumption: 2 mA
- Electric noise
  - A weighting: < 2.7  $\mu$ V
  - Lin (20-20kHz): 14.6  $\mu$ V
- Connector: LEMO 7 pins
- Diameter: 12.7 mm

##### Microphone C240

- Microphone type: 1/2 " prepolarizado
- Polarisation: 0 V
- Nominal capacity: 17.0 pF
- Nominal sensitivity: 46.4 mV/Pa
- Frequency response: ( $\pm 2$  dB) 3.15 Hz to 20 kHz
- Wind screen effect:
  - <1 dB for frequencies <10 kHz
  - <3 dB for frequencies <12.5 kHz

#### Accessories

- Box

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