

**Polarisation voltage:**

None.

**Capacitance at 1 kHz:**

17 pF.

**Operating temperature range:**

-50 to +100°C.

**Temperature coefficient:**

0.01 dB/°C

**Static pressure coefficient:**

$-1 \times 10^{-5}$  dB/Pa.

**Diameter with dustcap:**

13.2 mm +0.05 mm.

**Diameter without dustcap:**

12.7 mm +0.05 mm.

**Length:**

16.4 mm.

**Weight:**

9 g.

**Preamplifier thread:**

11.7 mm 60 UNS.

**Dustcap thread:**

12.7 mm 60 UNS.

CEL instrumentation is designed, manufactured, and serviced by CASELLA CEL LIMITED

Regent House, Wolseley, Kempston, Bedford, MK42 7JY, United Kingdom.  
Phone: (44) 1234 844100 Fax: (44) 1234 841490, e-mail: info@casella.co.uk

17 Old Nashua Road #15, Amherst, NH 03031, U.S.A.  
Phone: (1) 603 672 0031 Fax: (1) 603 672 8053 e-mail: ceL\_sales@compuserve.com

## CEL-250 Electret Microphone (Free-field)

060161  
Issue: 3  
November 2000

This microphone (which may also be identified as the mechanically identical MK 250) is suitable for use with the CEL-593, CEL-573, CEL-553, CEL-440, CEL-480, CEL-268 and CEL-262 measuring instruments which have arrangements to suppress or disconnect the 200 V polarization supply required by standard condenser microphones. The microphone can be used with other sound level meters that meet the measurement requirements of IEC 651 Type 1, provided the polarization voltage has been disconnected.

### Warning !

**Use this microphone with sound level meters such as the CEL-266, CEL-275, CEL-414 and CEL-493\* ONLY WHEN connected via a C6601/X Preamplifier Extension Cable which has no polarization voltage connection.**

Note\*: The arrangement must be re-calibrated acoustically when the CEL-493 is used with the 10 dB Attenuator Pad supplied.

### Technical Information

**Type:**

1/2" electret microphone for free-field measurement.

**Frequency range:**

3.5 Hz to 20 kHz  $\pm 2$  dB.

**Sensitivity:**

50 mV/Pa.

**Maximum sound pressure level:**

146 dB.

**Polarisation voltage:**

None.

**Capacitance at 1 kHz:**

17 pF.

**Operating temperature range:**

-50 to +100°C.

**Temperature coefficient:**

0.01 dB/°C

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