

1/4-inch Preamplifier Type 26CB

Product Data and Specifications

Typical applications

- **CCP inputs (ICP®)**
- **Prepolarized microphones**
- **1/4-inch precision microphones**
- **High levels and high frequencies**

The G.R.A.S. 1/4-inch Preamplifier Type 26CB is a general purpose preamplifier optimized for use with prepolarized condenser microphones. It is a small, robust unit and uses a G.R.A.S. CCP power supply (ICP®), e.g. Type 12AL. It has a very low inherent noise level, a large dynamic range and a frequency response from below 2 Hz to above 200 kHz.

Its small ceramic thick-film substrate has a very high input impedance, and is shielded by a guard ring to minimise the influence of stray capacitance and microphonic interference.

The Type 26CB is delivered with a built-in TEDS* chip, and can be programmed as a single unit with a microphone fitted. It can be used with all G.R.A.S. prepolarized microphones, namely:



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1/4-inch microphones:
Types 40BE and 40BD

1/2-inch microphones:
Types 40AE, 40AD and 40AQ, using the included 1/4-inch to 1/2-inch adaptor GR0010

It has an integrated Microdot output connector. A 3-metre (10 foot) Microdot-to-BNC cable is included.

The casing is made of stainless steel for maximum strength and durability.

Specifications

Frequency response (cable load 4.7 nF): 2 Hz - 200 kHz	±0.2 dB
Input impedance:	20 GΩ, 0.4 pF
Output impedance (Cs = 20 pF, f=1000Hz):	< 50 Ω
Noise (measured with 20 pF 1/2-inch dummy mic.):	
A-weighted:	≤ 2.2 μV rms (typically 1.8 μV rms)
Linear (20 Hz - 20 kHz):	≤ 6 μV rms (typically 3.5 μV rms)
Gain: Typically:	-0.25 dB
Power-supply:	2 mA to 20 mA (typically 4 mA)

Maximum signal-output voltage (peak):	±8.0 V
Temperature:	
Operation:	-30°C to +70°C
Storage:	-40°C to +85°C
Relative humidity:	
Operation:	0 to 95 %
Storage:	0 to 95 %
Connector type:	Microdot 10/32
Dimensions and weight:	
Diameter:	6.35 mm (1/4-inch)
Length:	50 mm (2 inches)
Weight:	8 g (0.3 oz)

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* Transducer Electronic Data Sheet - as proposed by IEEE-P1451.4

G.R.A.S. Sound & Vibration reserves the right to change specifications and accessories without notice

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