

Preamplifier–BNC adaptor

Nor1447/2

The adaptor Nor1447/2 consist of a screened capacitor for connecting a signal to a 1/2" microphone pre-amplifier like Nor1201. A BNC socket is used as the input terminal.

The main application of the adaptor is for the testing of preamplifiers and sound level meters as described in iec60651 and iec61672, but it may just as well be used to connect a transducer like an accelerometer to the high impedance input of a microphone preamplifier.

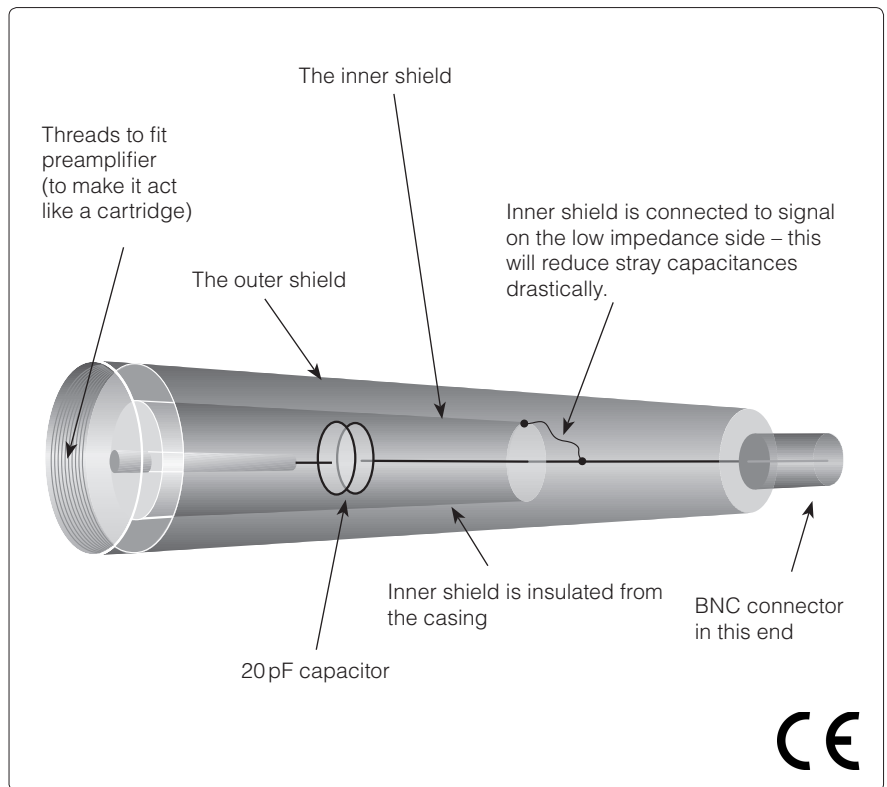
The adaptor normally ships with a coupling capacitance of 18–22pF with corresponds to the capacitance of most 1/2" microphones. The device may therefore be used to test the frequency response of a preamplifier, but be sure to use a source impedance corresponding to a microphone cartridge. If the BNC input connector is short-circuited, the device may also serve as a microphone cartridge equivalent ("dummy microphone") to test the self noise of a preamplifier

or a sound level meter, as specified in international standards for sound level meters IEC 60651 and IEC61672. On order, the unit can be delivered with other capacitance values.

The screened design provides the adaptor with a very low attenuation since the stray capacitance is low. Two adaptors, one with a small and one with a large capacitance may be used to measure the input capacitance of a microphone preamplifier.

Specifications:

- External diameter:** 12,7±0,1 mm
- Internal diameter for thread:** 11.7 mm
- Thread:** 60 UNS-2B
- Maximum voltage:** 200V
- Input connector:** BNC
- Preamplifier interface:**
Preamplifiers compatible with the mechanical requirements of IEC61094-4: Measurement microphones, Part 4, Specifications for working standard microphones.
- Capacitance:** Normally 18–22pF, individually calibrated. Other values in the range 2–1000pF on request.
- Stray capacitance (BNC input – ground):** 11 pF typically
- Other versions available:**
- 1447/S:** Directly connected
- 1447/L:** C= 6.8pF (1/4" mic. equivalent)



Certificate of calibration



Adaptor type Nor1447

Serial No.: _____

Capacitance: _____ pF

Sign: _____

