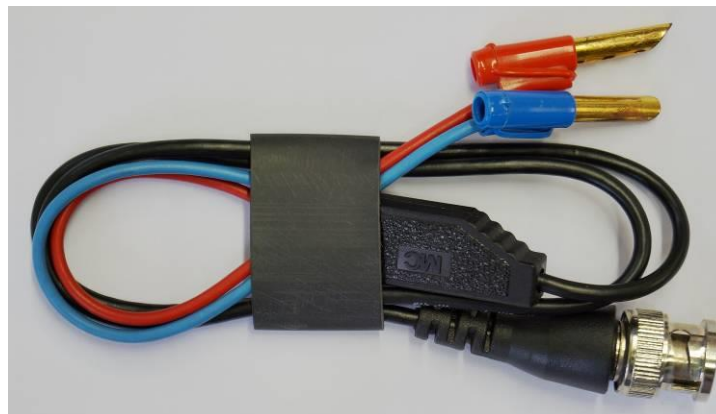




Adapter Lead for Ultrasonic Experiments 1018750

Instruction manual

05/15 JS



BNC socket: Input
Pair of 4-mm plugs: Output

1. Safety instructions

This adapter lead is intended for use with the control electronics for ultrasonic experiments. Only analog or digital measuring instruments are to be connected to the output (4-mm plugs). The input (BNC socket) is to be connected to channel A or B of the amplifier on the control unit.

Safe operation of the adapter lead is guaranteed if it is solely used as specified. Safety cannot be guaranteed, however, if the lead is used incorrectly or handled without due care and attention.

- Use the adapter lead in dry rooms only.
- Do not apply any external voltage to the 4-mm plugs.

2. Description

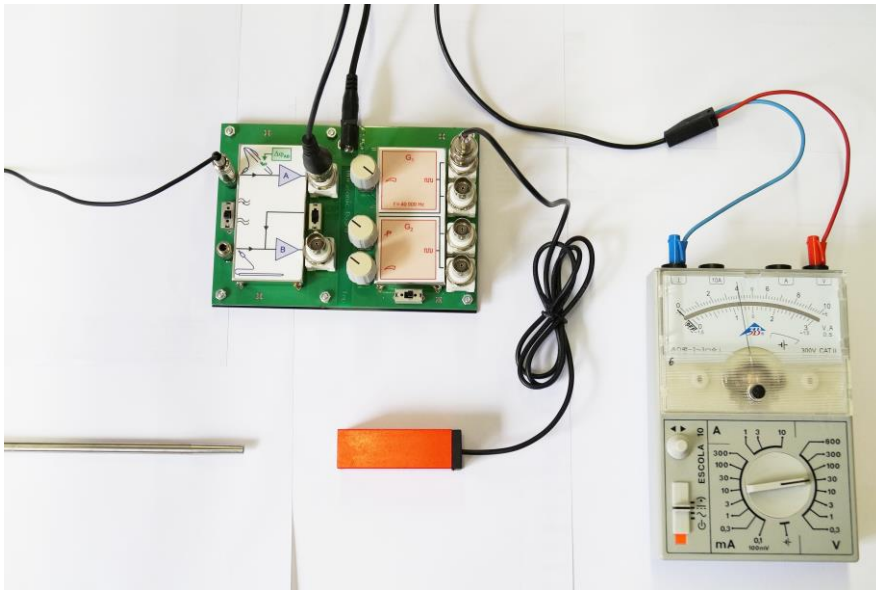
The adapter lead is for measuring high-frequency output signals from the electronic control unit for ultrasonic experiments using analog or digital measuring instruments.

The electronics included in the adapter lead itself rectify the high-frequency AC voltage from the microphone probes connected to the control unit and feed it to the output.

3. Technical data

Input: BNC plug
Output: Two 4-mm plugs
Length: 65 cm
Weight: 20 g approx.

4. Operation



Required equipment:

The following equipment is needed from the “Oscillations and waves” or “Ultrasonic SEK” equipment sets

1 Ultrasonic control unit, including plug-in power supply

1 Ultrasonic transmitter, 40 kHz

1 Microphone probe or ultrasonic pen

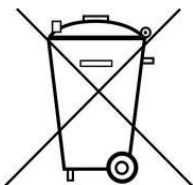
1 Adapter lead for ultrasonic experiments

1018750

1 Generic DC voltmeter

- Connect the adapter lead to the output of the amplifier channel to which the signals from the microphone probe or ultrasonic pen are being fed.
- Connect any DC voltmeter to the output of the adapter lead and set its measuring range to 10 V.

5. Disposal



The packaging should be disposed at local recycling centres.

If the adapter lead itself is to be disposed of, it must not be included with normal household waste. It should be placed in the relevant containers for electrical refuse.