



Time Electronics 9766 Low Noise Attenuators User Manual

[Home](#) » [Time Electronics](#) » Time Electronics 9766 Low Noise Attenuators User Manual 

Time Electronics 9766 Low Noise Attenuators User Manual



Contents

- [1 Introduction](#)
 - [1.1 Features](#)
- [2 Operation](#)
- [3 Specifications](#)
- [4 Warranty and Servicing](#)
- [5 Documents / Resources](#)
 - [5.1 References](#)
- [6 Related Posts](#)

Introduction



High quality low noise passive resistance 1000:1 and 100:1 attenuators designed for general laboratory work. They have been designed to complement the 5018, 5025 and 5051 laboratory calibrators by allowing small AC or DC signals with low noise to be processed from the 2 and 20 V ranges.

The 9766 attenuator (1000:1 version) allows 10 k Ω input resistance. The 9767 (100:1 version) allows 1 k Ω input. Output resistance is 10 Ω for both.

Connection is made via BNC leads using 4 mm to BNC adaptors. These are available as individual extras or come as standard with test lead set options for multifunction calibrators.

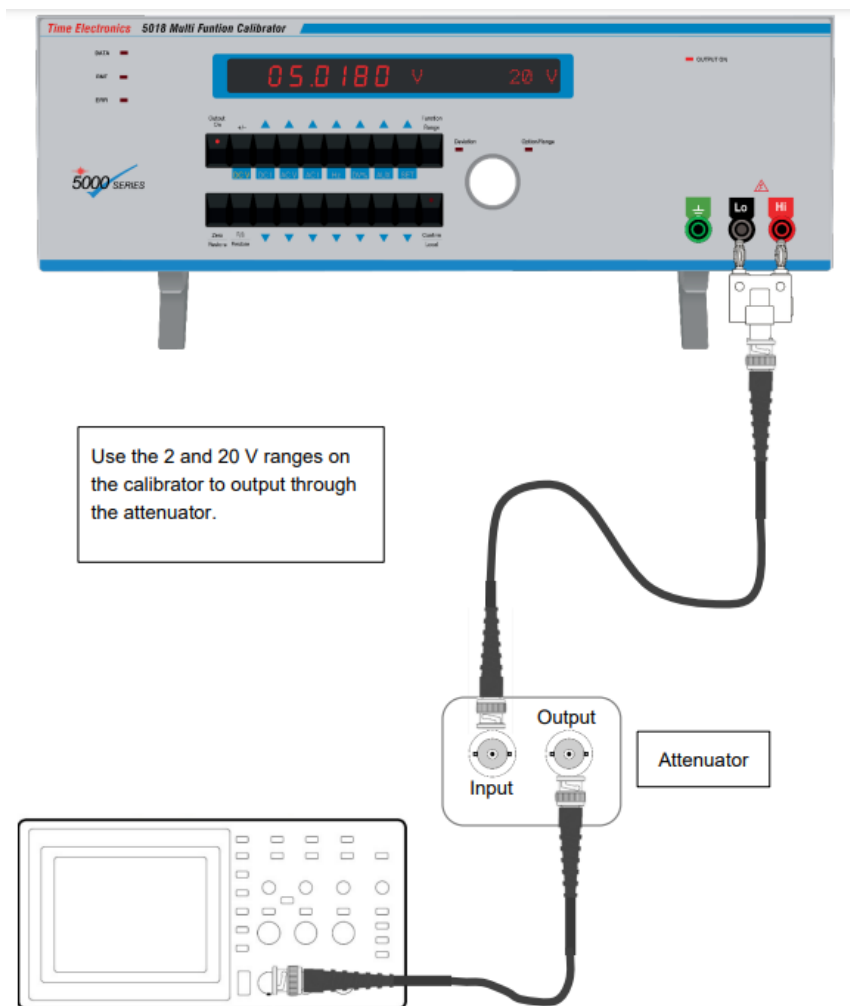
Both units are housed in a heavy duty die cast case for robustness, with an airtight seal between the lid and the case body.

Features

- Low noise passive resistance attenuators
- 0.01 % DC accuracy
- 1 Watt metal film resistors
- BNC quality connectors
- 25 ppm/ $^{\circ}$ C temperature coefficient
- Heavy duty die cast case

Operation

Connection is made via BNC leads using 4 mm to BNC adaptors. Connect the calibrator to the attenuator input as shown below. Then connect to the device under test to the output of the attenuator.



Specifications

- **Attenuation:** 9766 = 1000:1 9767 = 100:1
- **Input Resistance:** 9766 = 10 k Ω 9767 = 1 k Ω
- **Accuracy:** 0.01 % D C 0.1 % 10 Hz to 10 kHz
- **Output Resistance:** 10 Ω
- **Maximum Voltage:** 22 V DC or AC RMS
- **Power Rating:** 1 W
- **Temperature:** Coefficient 25 ppm/ $^{\circ}$ C
- **Dimensions:** L 115 x H 52.5 x D 64 mm (height includes BNC sockets)
- **Weight:** 0.28 kg
- **Optional Extras:** BNC/BNC lead 1 meter. BNC/4 mm adaptor Calibration certificates – traceable (factory) or accredited (ISO 17025).

Warranty and Servicing

Warranty

Time Electronics products carry a one-year manufacturer's warranty as standard.

Time Electronics products are designed and manufactured to the highest standards and specifications to assure the quality and performance required by all sectors of industry. Time Electronics products are fully guaranteed against faulty materials and workmanship.

Should this product be found to be defective, please contact us using the below details. Inform us of the product type, serial number, and details of any fault and/or the service required. Please retain the supplier invoice as proof of purchase.

This warranty does not apply to defects resulting from action of the user such as misuse, operation outside of specification, improper maintenance or repair, or unauthorized modification. Time Electronics' total liability is limited to repair or replacement of the product. Note that if Time Electronics determine that the fault on a returned product has been caused by the user, we will contact the customer before proceeding with any repair.

Product Registration

You can register your product at: www.timeelectronics.com/contact/product-registration Registering your product will enable us to maintain a record of purchase for your warranty. You can also use the web form to provide feedback about our products and services.

Calibration and Repair Services

Time Electronics offers repair and calibration services for all the products we make and sell. Routine maintenance by the manufacturer ensures optimal performance and condition of the product. Periodic traceable or accredited calibration is available.

Contacting Time Electronics

Online:

Please visit www.timeelectronics.com and select Technical Support from the Contact links. From this page you will be able to send information to the Time Electronics service team who will help and support you.

By phone: +44 (0) 1732 355993

By email: mail@timeelectronics.co.uk

Returning Instruments

Prior to returning your product please contact Time Electronics. We will issue a return merchandise authorization (RMA) number that is to accompany the goods returning. Further instructions will also be issued prior to shipment. When returning instruments, please ensure that they have been adequately packed, preferably in the original packing supplied. Time Electronics Ltd will not accept responsibility for units returned damaged. Please ensure that all units have details of the service required and all relevant paperwork.

Send the instrument, shipping charges paid to:

Time Electronics Ltd

Unit 5, TON Business Park, 2-8 Morley Road,
Tonbridge, Kent, TN9 1RA.

United Kingdom.

Tel: +44(0)1732 355993

Fax: +44(0)1732 350198

Email: mail@timeelectronics.co.uk

Web Site: www.timeelectronics.com

Disposal of your old equipment




1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the

European Directive 2002/96/EC.

2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or return to Time Electronics.



Documents / Resources

	Time Electronics 9766 Low Noise Attenuators [pdf] User Manual 9766, 9767, 9766 Low Noise Attenuators, Low Noise Attenuators, Noise Attenuators, Attenuators
---	--

References

- [Time Electronics – Precision Test Instruments, Calibration Benches](#)
- [Product Registration Form | Time Electronics](#)

Manuals+.