



Description

The 9760 power amplifier has been designed to complement the Time Electronics range of multifunction calibrators. The unit provides an output current suitable for driving even the most demanding analogue meters.

Operation is simple with connection via the front panel terminals. The reference calibrator (for example 5025C) connects to the input terminals. Then the output is connected to the meter. The user then presses the output button.

The amplifier has a gain of x10. So an input voltage of 1 V will produce an output of 10 V. Due to the output resistance of the amplifier, the accuracy of the output is specified for loads greater than 600 Ω. If loads less than this are present a reduction of 1 mV per 10 mA of load current will apply.

Technical Specifications

AC Voltage

Gain.....	x10
Input Range.....	0.5 to 6 V RMS
Output Range.....	5V to 60 V RMS
Maximum Output Current.....	100 mA
Accuracy	0.03 % + 3 mV*
Output Resistance.....	< 0.1 Ω*
Frequency Range.....	45 Hz to 10 kHz

DC Voltage

Gain.....	x10
Input Range.....	0.5 to 9 V
Output Range.....	5 to 90 V
Maximum Output Current.....	100 mA
Accuracy	0.02 % + 0.5 mV*
Output Resistance.....	< 0.1 Ω*

*Add additional error of 1 mV/10 mA of load current when loads of 600 Ω or less are being driven.
Remote sensing is not available.

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.

Features

- Compatible with 5051 and 5025 calibrators
- 60 V AC RMS, 100 mA
- 90 V DC, 100mA
- 0.02 % best accuracy
- ACV to 10kHz
- Short circuit protection: 160 mA

General Specifications

Short circuit protection.....	160 mA
Switches/Indicators	Output On/Off Switch, Output On indication.
Power Supply	100 to 230 V AC 50/60 Hz
Dimensions	430 x 230 x 90 mm
Weight	5 kg

Ordering Information

9760..... Power Amplifier