

# Voltage / Current Calibrator



## Features

- Instrument designed for calibrating process devices and measuring process signals
- Adjustable 1-24mA current source
- Adjustable -199.9mV to +199.9mV DCV source
- Current calibrator drives loads up to 500ohms
- The instrument powers or measures a two wire current loop

## Functions

Display	LCD Display, 1999 max. count
Function	1. Current Source
	2. Current measurement
	3. Power and current measurement
	4. DC mV source
Sampling Time	0.4 sec Approx.
Over Input Indication	"1" Displayed on LCD
Operating Environment	0°C to 50°C (32°F to 122°F) @ <70% Relative Humidity

## Electrical Specifications

Current Source		
Range	Display Resolution	Accuracy
0 - 19.99mA	0.01mA	± (0.25%FS + 1 digit)
0 - 24mA	0.1mA	± (0.5%FS + 1 digit)
* Output 0 to 24mA current for loads up to 500Ω		
* Output >20mA current for loads up to 400Ω		
* FS: Full Scale		
Current Measurement		
Range	Display Resolution	Accuracy
0 - 19.99mA	0.01mA	± (0.25%FS + 1 digit)
0 - 24mA	0.1mA	± (0.5%FS + 1 digit)

Power and Current Measurement of Two Wire Loop		
Range	Display Resolution	Accuracy
0 - 19.99mA	0.01mA	± (0.25%FS + 1 digit)
0 - 24mA	0.1mA	± (0.5%FS + 1 digit)
* Provides power DC 12V ±2V to the loop and measures current		
DC mV Source		
Range	Display Resolution	Accuracy
-199.9mV to +199.9mV	0.01mV	±(0.25%FS + 1 digit)
* Output measured load impedance should >1kΩ		

# Voltage / Current Calibrator



## Kit Contents

Calibration Instrument, Storage Case, Interface Cables, Instruction Manual and 9V Battery

## General Specifications

Power Supply : DC 9V NEDA1604 / 6F22 / PP9 Battery or Equivalent Alkaline or Heavy Duty  
Dimensions : 150mm × 70mm × 40mm  
Weight : Approx. 232g (Including Battery)

## Part Number Table

Description	Part Number
Voltage / Current Calibrator	72-17175

**Important Notice** : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Tenma is the registered trademark of the Group. © Premier Farnell Limited 2016.

[www.element14.com](http://www.element14.com)  
[www.farnell.com](http://www.farnell.com)  
[www.newark.com](http://www.newark.com)  
[www.cpc.co.uk](http://www.cpc.co.uk)

