

TENMA®



Current Calibrator

Model: 72-6694

IMPORTANT SAFETY INFORMATION

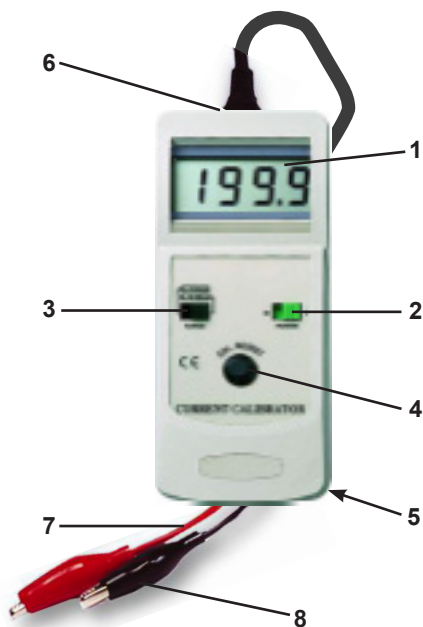
Please read these instructions carefully before use and retain for future reference.

- When using electrical appliances basic safety precautions should always be followed.
- Check the condition before using. If you find any cracking, breakage, damage or abnormality, or you consider the device broken, stop using the device immediately
- Do not store or operate the instrument at high temperature and high humidity environment.
- There are no user-serviceable parts in this product. Refer servicing to qualified personnel.
- Do not operate the meter or use connection leads if they appear damaged, or if the meter is not operating properly.
- Replace the battery as soon as the BAT symbol is displayed on screen or inaccuracies may occur.
- Remove batteries from devices that will not be used again for a long time.
- Never operate the meter with the cover removed or the battery door open.
- Never dispose of batteries in a fire, or attempt to recharge ordinary batteries.
- To prolong battery life, turn off the meter after use.

WHAT'S INCLUDED

- Calibration instrument.
- Interface cable with Crocodile clips.
- Instruction manual.

FEATURES



1. Display
2. Power Switch
3. Range Switch
4. Calibration adjustment control
5. Battery cover (on rear)
6. Input socket
7. Interface cable
8. Alligator clips

FUNCTIONS

- Portable four function instrument for calibrating process devices.
- Adjustable current source 0-24mA.
- Drives loads of up to 500Ω
- Large LCD display.

Electrical Specification (at 23°±5°C)		
Range	Display Resolution	Accuracy
0-19.99mA	0.01mA	±(0.25% FS+1d)
1-24mA	0.1mA	±(0.25% FS+1d)

Output 0-20 mA current for loads up to 500 ohms.

Output > 20 mA current for loads up to 400 ohms.

* FS = full scale

Note: The above specification are tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.

OPERATION

- Power on the instrument by sliding the power switch to the ON position.
- Connect the interface cable to the input socket and the clips to the device to be calibrated.
- The red clip is the positive current output, the black clip is ground.
- Slide the range switch to either the 0-19.99mA display resolution or 1-24.0mA position as required.
- Adjust the calibration control to adjust the current output to match the display value.

SPECIFICATIONS

Display	LCD display, maximum display counts 1999. 13mm (0.5") digit size
Function	mA Current source, 2 ranges. 0 - 19.99mA × 0.01mA and 0 - 24mA × 0.1 mA
Sampling Time	Approx. 0.4 second
Operating Temperature	0°C to 50°C (32°C to 122°C)
Operating Humidity	Less than 80% RH
Power Supply	006P DC 9V, MN1604/PP3 battery or equivalent Alkaline type or heavy duty type
Dimension	185mm × 78mm × 38mm (7.3" × 3" × 1.5")
Weight	265g/0.58lb (including battery)

BATTERY REPLACEMENT

- When LCD display show the “ BAT “ marker, it is necessary to replace the battery. However, measurement may still be made for several hours after low battery indicator appears although accuracy cannot be guaranteed.
- Remove the screw and slide the battery cover away from the instrument and remove the battery.
- Replace with a new 9V battery and refit the cover and tighten the screw.

MAINTENANCE

Cleaning the casing

- Wipe using a damp cloth or sponge. Do not use solvents as these may damage the casing. Do not immerse in water.



INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT

These symbols indicate that separate collection of Waste Electrical and Electronic Equipment (WEEE) or waste batteries is required. Do not dispose of these items with general household waste. Separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of the battery and WEEE recycling schemes available in your area.



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