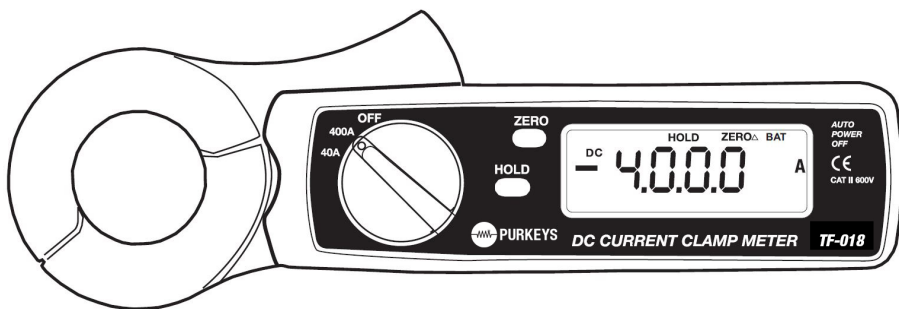


PURKEYS

400 A MINI DC CLAMP METER

USER GUIDE





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GENERAL INFORMATION

The 400 A Mini DC Clamp Meter is shipped fully tested and calibrated and, with proper use, will provide years of reliable service.

Features:

- High Accuracy and Resolution
- Large 4000 count LCD display
- One touch “Auto Zero”
- Data Hold and Auto Power Off functions
- 1.2” (30 mm) Jaw diameter

400 A MINI DC CLAMP METER

SAFETY

International Safety Symbols



This symbol, adjacent to another symbol or terminal, indicates the user must refer to the manual for further information.



This symbol, adjacent to a terminal, indicates that, under normal use, hazardous voltages may be present.



Double insulation.

Safety Notes

- Do not exceed the maximum allowable input range.
- Set the function switch OFF when the device is not in use.
- Remove the battery if the device is to be stored for longer than 60 days.
- Never dispose of batteries in a fire. Batteries may explode or leak.
- Never mix battery types. Always install new batteries of the same type.

Warnings

- Set function switch to the appropriate position before measuring.
- Do not measure current on a circuit whose voltage exceeds 600 V.

Cautions

- Improper use of this meter can cause damage, shock, injury, or death. Read and understand this user guide before operating the meter.
- Inspect the condition of the meter for any damage before operating the meter. Repair any damage before use.
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

SPECIFICATIONS

General Specifications

Display	3-3/4 digit (4000 count) LCD
Functions	Amperes DC
Polarity	'-' indicates negative polarity
Current Sensor	Hall effect sensor
Overload Indication	"OL"
DCA Zero Adjust	One touch zero button
Auto Power Off	After approx. 15 minutes
Display Rate	2 updates per second (approx.)
Battery	One 9 V battery
Operating Temperature	4° F to 122° F (-10° C to 50° C)
Operating Humidity	< 85% RH
Power Consumption	14 mA (typical)
Weight	10.3 oz. (290 g) including battery
Dimensions	8.2 x 1.7 x 1.2" (208 x 43 x 30 mm) (H x W x D)
Jaw Opening	1.2" (30 mm)
Safety Rating	IEC 1010 Category II 600 V

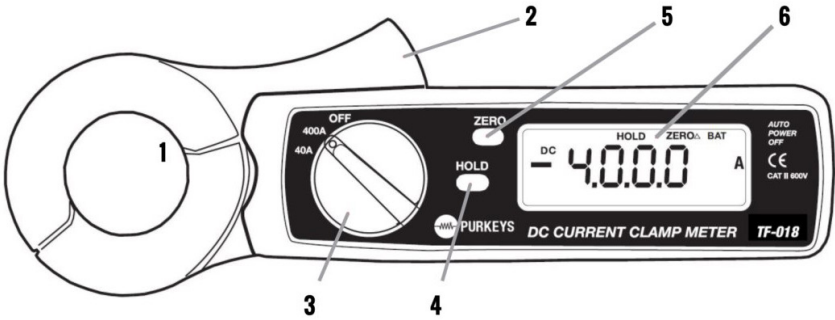
400 A MINI DC CLAMP METER

Range Specifications

Function	Range	Resolution	Accuracy (% of Reading)	Overload Protect
DC Current	40.00 A	10 mA	$\pm (3.5\% + 3 \text{ digits})$	400 ADC
	400.0 A	100 mA		

DESCRIPTION

1. Current Sensing Jaw
2. Measurement Trigger
3. Function Switch
4. Data Hold Button
5. One-Touch DCA Zero Button
6. LCD Display



400 A MINI DC CLAMP METER

OPERATION

DC Current Measurements

1. Set the function switch to the 40 A or 400 ADC range.
2. With no conductor in the jaws, press the ZERO button to null the meter display.
3. Press the trigger to open the current sense jaw.
4. Fully enclose one conductor to be measured. Do not allow a gap between the two halves of the jaw.
5. Read the DCA value on the display.

Data Hold

To freeze the current reading on the LCD, press the HOLD button. To release the Data Hold function and return the meter to normal operation, press the HOLD button again.

MAINTENANCE

Battery Replacement

1. When the low battery symbol appears on the LCD, the battery must be replaced.
2. Remove the orange rubberized cover.
3. Remove the battery compartment screw.
4. Lift off the battery compartment cover and replace the 9 V battery.
5. Replace compartment cover and secure the screw.

Disposal



Never dispose of used batteries or rechargeable batteries in household waste. As consumers, users are legally required to take used batteries to appropriate collection sites: the retail store where the batteries were purchased, or wherever batteries are sold.

Do not dispose of this instrument in household waste. The user is obligated to take end-of-life devices to a designated collection point for the disposal of electrical and electronic equipment.

Cleaning

Use only a dry cloth to clean the meter housing; do not use cleaning agents, abrasives, or solvents.

400 A MINI DC CLAMP METER

LIMITED COMMERCIAL WARRANTY POLICY

Purkeys Fleet Electric, Inc. (hereafter “Purkeys”), warrants each product to be free of defects in material or workmanship under normal use and service. This warranty is for the benefit of Original Equipment Manufacturers, Dealers, Warehouse Distributors, Fleets, or other End Users (hereafter “Customers”) and covers products manufactured by Purkeys and sold new to Customers either directly by Purkeys or by its authorized dealers, distributors, or agents. The length of the Warranty Period is 24 months.

The warranty period commences on the in-service or install date and is not transferable. Failure to provide the in-service or install date on the warranty claim form will cause the warranty period to begin on the date the part was manufactured or date of sale recorded on the original sales invoice, whichever is earlier.

A completed warranty claim form should accompany all parts submitted to Purkeys for consideration for repair or replacement under warranty. The submitted claim form should contain all of the information required. Lack of a properly or fully completed claim form will result in delay or denial of warranty claim. Claims must be submitted no later than 30 days after part is removed.

This warranty does not apply if, in sole judgement of Purkeys, the product has been damaged or subjected to accident, faulty repair, improper adjustment, improper installation or wiring, neglect, misuse, or alteration or if the product failure is caused by defects in peripheral vehicle components or components attached to the Product or failure of a part not manufactured by Purkeys.

This warranty shall not apply if any Purkeys product is used for a purpose for which it is not designed or is in any way altered without the specific prior written consent of Purkeys. ANY Product alleged by a Customer to be defective must be inspected by Purkeys as a part of the warranty claims process in order to confirm that the part has failed as a result of a defect in material or workmanship.

Transportation for products and parts submitted to Purkeys for warranty consideration must be prepaid by Customer. Repaired or replaced products and or components will be returned to Customer pre-paid by Customer or “freight collect” to the address provided by Customer in the warranty claim form. No charge will be made for labor or material in effecting such repairs.

The Warranty provided by Purkeys hereunder is specifically limited to repair or replacement of the Product as Purkeys deems most appropriate in its sole discretion. Purkeys neither assumes nor authorizes any other person to assume on its behalf any other warranty or liabilities in connection with Purkeys products. The Warranty does not apply to fuses or other “consumable” or maintenance items which are or may be a part of any Purkeys product.

THIS WARRANTY DOES NOT APPLY TO LOSS OF VEHICLE OR EQUIPMENT, LOSS OF TIME, INCONVENIENCE, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. PURKEYS SPECIFICALLY DISCLAIMS AND SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES arising out of or from the use of Purkeys products by the Customer.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, INCLUDING COMMON LAW WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, AND ANY OTHER EXPRESS OR IMPLIED WARRANTIES. ALL OTHER SUCH WARRANTIES ARE SPECIFICALLY DISCLAIMED.

This Limited Commercial Warranty supersedes all previous Warranty Policies issued by Purkeys and any of its suppliers.



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