QUICK START GUIDE

PCAL500

Multifunction Process Calibrator

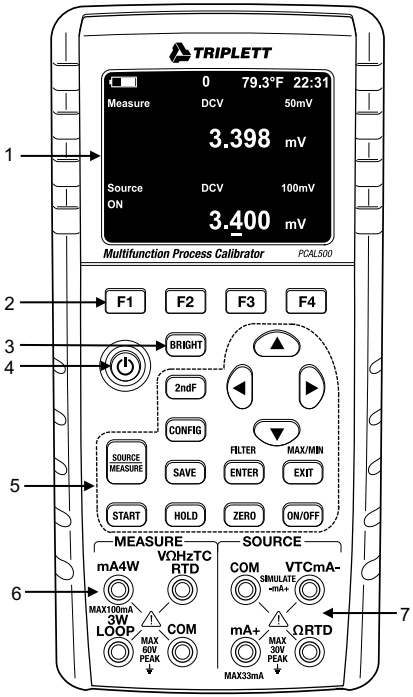
What's in the box:		Stay updated:
• PCAL500 Calibrator • Industrial Test Leads with Clips • Spare Fuses	• Thermocouple Adapter • Latch Key • 4 × AA Batteries • Quick Start Guide	Visit www.triplett.com for the latest specifications, manuals, FAQs, and product datasheets on our website, and find other test products and accessories for your measurement needs.

IMPORTANT

This Quick Start Guide covers the basic operation of the PCAL500. Before using advanced functions or making unfamiliar connections, download and review the complete User Manual at www.triplett.com/manuals.

METER DESCRIPTION

1. Graphical Color LCD Display
2. Function Keys
3. Display Brightness Button
4. Power Button
5. SOURCE/MEASURE Function Buttons
6. MEASURE Input Terminals
7. SOURCE Output Terminals

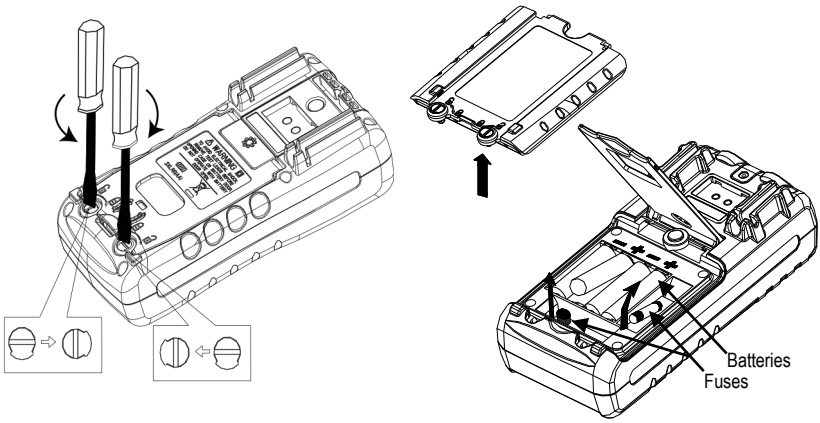


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BUTTON DESCRIPTION

ICON	TITLE	FUNCTION
F1, F2, F3, F4	Function Keys	Operate the TFT display of the calibrator
BRIGHT	Brightness	Display backlight brightness adjustment
⏻	Power	Powers meter On or Off
2ndF	Secondary Function	Selects the second function of the pressed key
CONFIG	Configure	Enters the setting interface
SOURCE MEASURE	Source Mode, Measure Mode	Toggles between Source and Measurement mode
START	Start/Stop	Starts or stops sourcing when the sourced current is in auto-step or auto-ramp mode
SAVE	Save	Stores present data
HOLD	Data Hold	Holds measurement value on display
ENTER	Enter	Enters the selected operation
FILTER	Filter	Stabilizes the measured value on the display
ZERO	Zero	Zeroes sourced value
ON/OFF	Source Power	Turns On or Off the Source
EXIT	Exit	Exits from the selected operation
MAX/MIN	Maximum/Minimum	Displays Maximum/Minimum measured values
▲▼◀▶	Arrows	Output Setting: Increase (up), Decrease (down), Left, and Right

BATTERY/FUSE INSTALLATION & REPLACEMENT

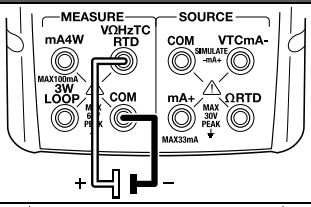
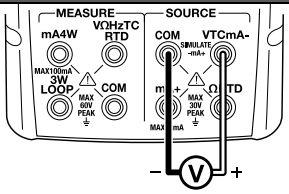
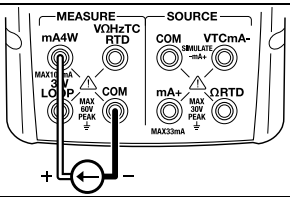
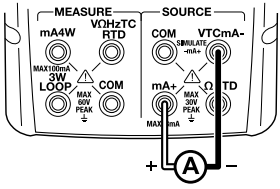
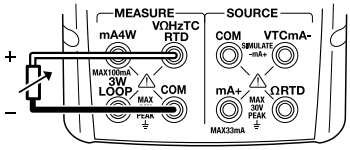
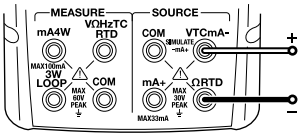
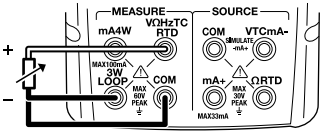
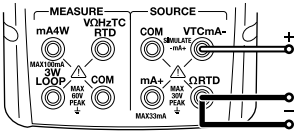
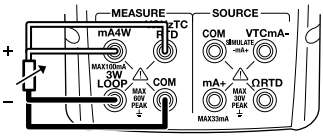
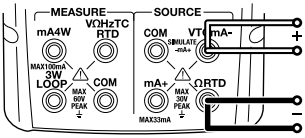
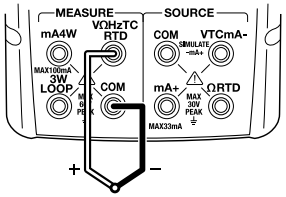
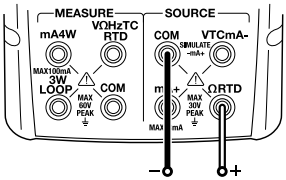


1. Turn the meter OFF and remove the test leads.
2. Unscrew and remove the battery-door cover using the included latch key or flathead screwdriver.
3. Install 4 × AA (LR6) alkaline batteries, matching the polarity markings in the compartment, or replace the fuses.
4. Replace the battery-door cover and secure with the screws before use.

USING THE METER

Follow the instructions below and the illustrations.

1. Power ON the meter.
2. Install proper leads of probe based on the application.
3. Set calibrator in appropriate mode using the FUNCTION button.
4. Set the range as needed.
5. Use MEASURE and/or SOURCE button to activate the Input or Output.

FUNCTION	MEASURE	SOURCE
Voltage		
Current		
Resistance RTD – 2W		
Resistance RTD – 3W		
Resistance RTD – 4W		
Temperature (TC)		

⚠ SAFETY — Read the manual's safety section before use.

- Never exceed the ratings marked at the terminals (MEASURE: 60V/50mA max; SOURCE: 30V peak max).
- Inspect the housing and test leads for damage before use.
- Turn off the meter and remove the test leads before opening the battery door or switching functions.
- Do not use near explosive gas, vapor, or dust.
- Operating Temperature/Humidity: 32 to 122°F (0 to 50°C)/20 to 80% (avoid condensation)

WARRANTY

Triplett offers warranty to the original purchaser of its products. We guarantee that our products will be free from defects in workmanship and materials for two (2) years from the purchase date.

This warranty does not cover:

- Products purchased from unauthorized distributors.
- Items that have been repaired or altered by unauthorized individuals.
- Damage from misuse, abuse, misapplication, negligence, or accidents.
- Products with altered, defaced, or removed serial numbers.
- Accessories, including batteries.

For product support, registration, FAQs, or to request calibration or repair services, visit www.triplett.com/support.

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Imagery is for reference and may be enhanced for clarity. Actual product appearance and screen content may vary slightly. Specifications are subject to change without notice. For the latest information, visit www.triplett.com.

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