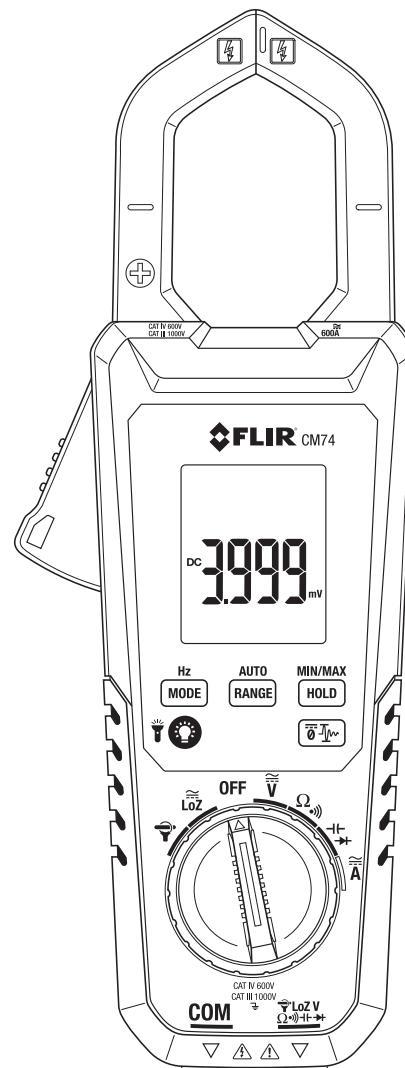
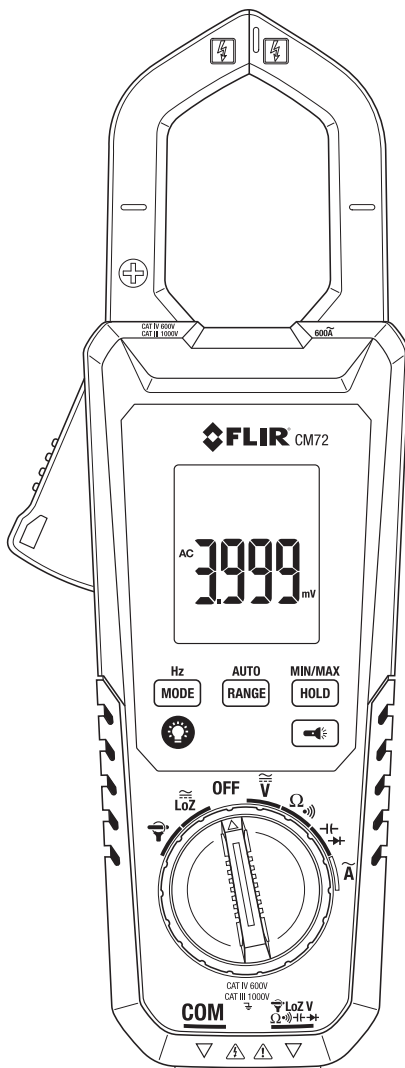


# FLIR CM72 and CM74 CLAMP METERS

## CM72 600A True RMS AC Clamp Meter

## CM74 600A True RMS AC/DC Clamp Meter

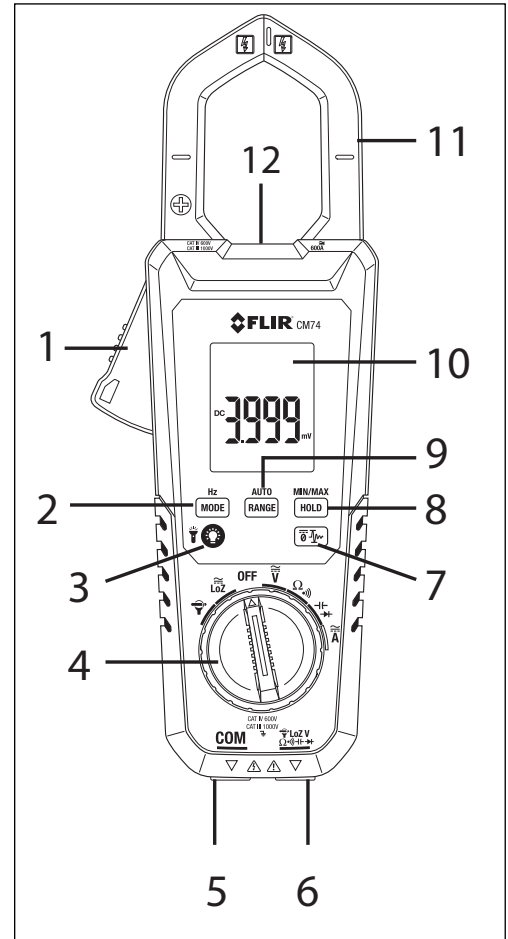


**USER GUIDE LOCATION:** The detailed User Guide is located in the product packaging and on the support.flir.com web site (download tab). Please read the entire User Guide to gain a thorough understanding of the meter before use.

Register for Extended Warranty and Product Updates at [www.flir.com/testwarranty](http://www.flir.com/testwarranty)

## OVERVIEW








- Turn the function switch to any position to power ON. Turn the function switch to the OFF position to power down.
- The meter is powered by four (4) 1.5V 'AAA' batteries (rear compartment); replace when meter does not power ON.
- Meter switches OFF after 10 minutes of inactivity (APO). Disable APO by holding the MODE button while powering up.
- For the diagram at right, see the descriptions below:
  1. Jaw opening trigger
  2. Hz-MODE button
  3. Backlight/Work light button (CM74); Backlight button only (CM72)
  4. Function switch
  5. COM (negative -) Probe Input jack
  6. Positive (+) Probe Input jack
  7. DCA Zero and Inrush button (CM74 only); Work light button (CM72)
  8. MIN/MAX HOLD button
  9. AUTO-RANGE Button
  10. LCD Display
  11. Clamp jaw
  12. Work Light
















## FUNCTION SWITCH

	Select this position when connecting a FLIR TA72_TA74 Flex Clamp Adaptor.
	Select this position to measure in the low impedance mode.
<b>OFF</b>	Select this position to switch the meter OFF (full power saving mode).
	Select this position to measure AC/DC Voltage through the probe inputs.
	Measure resistance and continuity through the probe inputs. Use the MODE button to toggle functions.
	The meter can measure capacitance and diode through the probe inputs. Use MODE button to toggle functions.
	Amps AC/DC (CM74) and Amps AC only (CM72). The meter can measure current through the clamp jaws.

## FUNCTION BUTTONS

	Select AC or DC in the Voltage/Current modes. Select Diode or Capacitance; Continuity or Resistance. Select Hz in the AC Voltage/Current/FLEX modes.
	Select Auto or Manual range mode. In Manual mode, press to change the range (scale); to return to Auto range mode, press and hold for > 2 seconds.
	Toggle normal and Hold modes. Press for > 2 seconds to enable/disable MIN/MAX mode. While in MIN/MAX mode, short presses step MIN>MAX>MIN. Press and hold for >2 seconds to exit the MIN/MAX mode.
	For the CM74: Press to enable/disable the display backlight. Press > 2 seconds to switch the Work Light ON/OFF.
	For the CM72 press to enable/disable the LCD backlight.
	For the CM72 press to enable/disable the Work Light.
	CM74 only. In the DCA mode, press to zero the display. In the ACA mode press to enable the inrush current mode.

## DISPLAY ICONS

	Meter is displaying maximum reading values.	<b>A</b>	Ampere. Unit of measure for current.
	Meter is displaying minimum reading values.	<b>V</b>	Volt. Unit of measure for Voltage.
	Meter is in Auto range mode.	<b>F</b>	Farad. Unit of measure for Capacitance.
	Meter is in Hold mode.	<b>Hz</b>	Hertz. Unit of measure for Frequency.
	Battery voltage.	<b>k</b>	10 <sup>3</sup> (kilo)
	Auto power off function is enabled.	<b>m</b>	10 <sup>-3</sup> (milli)
	Measured voltage is > 30 V DC or AC RMS.	<b>μ</b>	10 <sup>-6</sup> (micro)
	Meter is measuring AC current or voltage.	<b>VFD</b>	VFD mode icon (CM74 only).
	Meter is measuring DC current or voltage.	<b>0</b>	DC Zero mode icon (CM74 only).
	Continuity function is active.		Inrush current mode icon (CM74 only).
	Diode test function is active.		Flex Clamp Adaptor (FLIR TA72_TA74) icon.
<b>Ω</b>	Ohm symbol. Resistance and Continuity modes.	<b>100 mV/A</b>	100mV/Ampere Clamp Adaptor icon.
		<b>LoZ</b>	Lo Z mode icon.



## Certificate of Conformity and ISO-9001 Quality Management System

FLIR Commercial Systems, Inc., an ISO 9001:2008 certified company, hereby certify that our instruments meet or exceed the specifications stated in the user manuals.

This instrument was produced under the stringent guidelines of FLIR Commercial System's certified ISO-9001 Quality Management System from design to delivery. All instruments are calibrated and inspected to meet the stated specifications.

FLIR Commercial Systems, Inc. inspects its incoming shipments using an approved sampling plan with an Acceptable Quality Level (AQL). All incoming inspections are performed using test equipment that is traceable to National Standards. Our ISO-9001 Quality Management System extends to aftermarket support where tested quality procedures are applied to customer support, service, calibration and repair processes.

This instrument will provide years of reliable service when used in accordance with the instructions provided in the User Guide. To have this device certified please contact your local service center.

## Quality Assurance Management



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