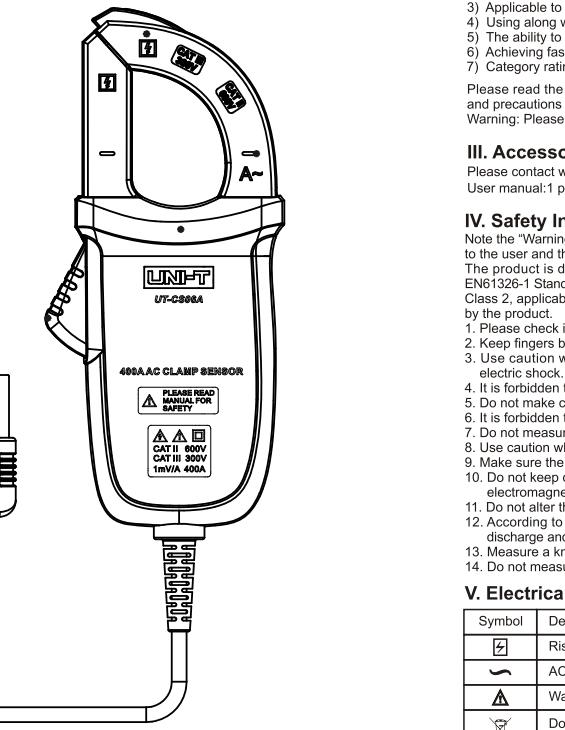


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UT-CS06A 400A AC Clamp Sensor User Manual

EN

400A AC Clamp Sensor

I. Overview

UT-CS06A is an AC current sensor with high reliability and high safety, serving as a supporting device for current measurement of multimeter. The clamp is applied in conjunction with multimeter, it measures current by the sensor and converts the measured current into voltage, then transfer the voltage to the multimeter via transmission cable, thus the corresponding voltage is displayed on the multimeter. UT-CS06A has the ability to measure AC current up to 400A. Reliable measurement accuracy and unique exterior design make it a practical tool in supporting electrical meters to collect current.

II. Features

- 1) Design to enable one-handed and aerial operations.
- 2) Compact, small, easy to carry.
- 3) Applicable to measure multiple types of cables, able to measured cable of maximum 28mm in diameter.
- 4) Using alone with multimeter allows for obtaining accurate reading without interrupting circuit.
- 5) The ability to measure AC current up to 400A; frequency response to reach 50Hz~400Hz.
- 6) The ability to measure AC current under load.
- 7) Category rating: CAT II 600V, CAT III 300V

Please read the contents related with "Safety" and "Warning" in the user manual, and follow all warnings and precautions strictly.

Warning: Please read the "Safety Information" carefully before use.

III. Accessories
Please contact with the supplier if any accessory in the package is missing or damaged.
User manual: 1 pc

IV. Safety Information

Note that "Warning and Safety information". A Warning identifies conditions and procedures that are dangerous to the user and that can cause damage to the product or the equipment under test.

The product complies with the requirements of IEC/EN61010-1, 61010-2-032, Electromagnetic Radiation EN13261- Standard, and conforms to Double insulation, Overvoltage CAT I 600V, CAT II 300V and Pollution Class 2, applicable for Indoor use. Failure to follow operating instructions can impair the protection provided by the product.

1) Check the clamp jaws for cracks or exposed cable, damage casing or loose parts occurs before use.

2) Keep fingers behind the finger guard.

3) Use caution when working in environments with bare conductors, contact with conductor can cause electric shock.

4) Do not use to use with the cover set in place. Otherwise it may cause electric shock.

5) Do not make contact with exposed wire, connector, output terminal or circuit during measurement.

6. CAT is forbidden to measure current over the value specified at the clamp jaws.

7. Do not measure voltage over 1000V (CAT II) or frequency higher than 400Hz.

8. Do not measure voltage with power off AC/DC 300V.

9. Make sure the output of the current sensor is 1mV/A, that is, the displayed voltage on the multimeter is 1mV when measuring current of 1A.

10. Do not keep or use the product in environments with high temperature, high humidity, strong electromagnetic field, or in explosive and radioactive environments.

11. Do not touch the clamp jaws with your hands directly.

12. According to the national safety regulations, please wear protective gear to prevent electric shock or personal injury.

13. Measure a known voltage before use to check if the product can work normally.

14. Do not measure circuit with frequency over the rated frequency specified by the product.

V. Electrical Symbols

Symbol	Description	Symbol	Description
	Risk of high voltage		Double insulated
	AC (Alternating Current)		UKCA certification mark
	Warning		Conform to European Union standards
	Do not place equipment and its accessories in the trash. Please dispose properly according to the local regulation.		

VI. General Characteristics

1. Maximum overload protection current: 400A

2. Error caused by testing area: Failure to center the measured object at the clamp jaws can produce a reading error of ±(1.5%+0.1).

3. Drop proof: 1 m

4. Operating temperature: -10°C~50°C (32°F~122°F)

5. Storage temperature: -10°C~50°C (32°F~122°F)

6. Relative humidity: ≤75% (0°C~30°C below); ≤50% (30°C~40°C)

7. Operating altitude: ≤2000 m

8. Dimensions: 158 mm × 65 mm × 33 mm

9. Maximum jaw opening: 28 mm

X. Maintenance

Please clean the casing with a wet cloth and mild detergent, do not use abrasive or solvent.

If the product behaves abnormally, please stop use and sent it for maintenance.

The calibration or maintenance must be performed by qualified professional repair personnel or designated maintenance department.

FR

400A AC Clamp Sensor

I. Aperçu

UT-CS06A est un capteur de courant alternatif à grande fiabilité et haute sécurité, qui est un dispositif de support pour la mesure de courant du multimètre. La pinza viene aplicata insieme al multimetro, misse la corrente dal sensore e converte la corrente misurata in tensione, quindi trasferisce la tensione al multimetro tramite il cavo di trasmissione, così la tensione corrispondente è affidabile sul multimetro. UT-CS06A ha la capacità di misurare il corrente alternata fino a 400A. La precisione di misura affidabile e il design estremo uno è per supportare i contatori elettrici nella raccolta della corrente.

II. External Structures

1. Clamp jaw

2. Geometric center marking

3. Trigger guard

4. Trigger key to open the jaw

5. Current signal output: The plug is the output signal terminal of AC voltage converted by the AC current sensor.

VIII. Operating Instructions

The symbol "▲" near the terminal warns that the measured voltage cannot exceed the specified voltage.

AC Current Measurement

1) Connect the plug of transmission cable with the voltage input terminal and common input terminal of the multimeter, power on the multimeter, then select AC millivolt measurement range (Figure 2). Alternatively, connect the plug of transmission cable with the AC current measurement range of the multimeter, power on the multimeter, then select the AC current measurement range and select the 1mV/A output range (Figure 3).

2) Open the clamp jaws, clamp one conductor, then place the conductor at the center of the clamp jaws. The clamp jaws shall be closed in place.

3) The measured voltage is a conductor at a time, the measured result is incorrect if measuring two or more conductors at the same time.

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UT-CS06A 400A SENSOR DE PINZA DE AC

ES

I. Visión general

UT-CS06A es un sensor de AC con alta fiabilidad y alta seguridad, que sirve como dispositivo de apoyo para la medición de corriente de multímetros. La abrazadera se aplica junto con el multímetro, mide la corriente por el sensor y convierte la corriente medida en voltaje, luego transfiere el voltaje al multímetro a través del cable de transmisión, por lo que el voltaje correspondiente se muestra en el multímetro. UT-CS06A tiene la capacidad de medir corriente de AC de hasta 400A. La precisión de medición confiable y el diseño exterior único lo convierten en una herramienta práctica para ayudar a los medidores eléctricos a recoger corriente.

II. Características

- Peso ligero para permitir operaciones ágiles y con una sola mano.
- Compacto, peso medio.
- Admite varios tipos de cables, capaz de medir cable de máximo 28mm de diámetro.
- El uso junto con el multímetro permite obtener una lectura precisa sin interrumpir el circuito.
- La capacidad de medir corriente de AC hasta 400A; respuesta de frecuencia para alcanzar 50Hz ~ 400Hz.
- Lograr una lectura rápida bajo la salida de 1mV/A.
- Usa las características de "Seguridad" y "Advertencia" en el manual del usuario, y siga estrictamente todas las advertencias y precauciones.

Advertencia: Lea atentamente la "Información de seguridad" antes de usar.

III. Accesorios

Paquete en contacto con el proveedor si falta algún accesorio en el paquete o está dañado.

IV. Información de seguridad

Tenga en cuenta las "Etiquetas y oraciones de advertencia". Una advertencia identifica condiciones y procedimientos que son peligrosos para el usuario y que pueden causar daños al producto o al equipo. El producto está diseñado de acuerdo con la norma IEC/EN61010-2-032. Radiación electromagnética EN61326-1 cumple con el doble aislamiento, sobretension CAT II 600V, CAT III 300V. Clase de contaminación 2, aplicable para uso en interiores. La clasificación de las instrucciones de funcionamiento puede perjudicar la protección proporcionada por el producto.

1. Compruebe si el cable agrietado o expuesto, la carcasa dañada o las piezas sueltas se producen antes de su uso.

2. Nunca tire de los dedos detrás del protector de dedos.

3. Tenga cuidado al trabajar en entornos con conductores desnudos, el contacto con el conductor puede causar descargas eléctricas.

4. Esta medida no es segura para el uso en lugares de trabajo con temperaturas inferiores a 0 °C.

5. No haga contacto con el cable, el conector o el terminal de la abrazadera, de lo contrario puede causar una descarga.

6. Siempre conecte la abrazadera a la parte de la medición de corriente.

7. No debe aplicar una tensión superior a 400V entre la abrazadera y el terminal de la medición.

8. Mantenga alejado el conductor de la abrazadera y mantenga el terminal de la medición de corriente a una distancia mínima de 10 mm.

9. Asegúrese de que el enchufe del cable de transmisión se conecte correctamente con el terminal de la medición de corriente.

10. No guarde el producto en un ambiente de temperatura, humedad, campo electromagnético o polvo.

11. No altere el cableado interno para evitar daños al producto y riesgos de seguridad.

12. De acuerdo con las normas nacionales de seguridad, use equipo de protección para evitar descargas eléctricas, descargas de arco o otros peligros al realizar mediciones en entornos con conductores vivos expuestos.

13. Mida un voltaje conocido antes de usarlo para verificar si el producto puede funcionar normalmente.

14. No mida la corriente con frecuencia sobre la frecuencia nominal especificada por el producto.

V. Símbolos eléctricos

Símbolo	Descripción	Símbolo	Descripción
	Riesgo de alta tensión		Doble aislamiento
	AC (Corriente Alterna)		Marca de certificación UKCA
	Advertencia		Conforme a las normas de la Unión Europea
	No coloque el equipo y sus accesorios en la basura. Por favor, deseche adecuadamente de acuerdo con la regulación local.		

CAT II Aplicable para probar y medir el circuito conectado directamente con el punto de utilización (salida o punto de conexión de red de baja voltaje).

CAT III Aplicable para probar y medir el circuito conectado con la parte de distribución de energía de la instalación de red de bajo voltaje del edificio.

VI. Características generales

- Máxima corriente de protección contra sobrecarga: 400A
- Error causado por el área de prueba: Si no se centra el objeto medido en las mordazas de abrazadera, puede producirse un error de lectura de ± (1.5%+0.1A).
- Protección contra caídas: 1 m
- Temperatura de funcionamiento: 0°C~40°C (32°F~104°F)

UT-CS06A 400A AC-KLÄMSESENSOR

SV

6. Temperatura de almacenamiento: -10°C~50°C (14°F~122°F)

7. Humedad relativa: ≤75% (0°C~30°C abajo); ≤50% (30°C~40°C)

8. Altitud de funcionamiento: ≤2000 m

9. Dimensiones: 158 mm × 65 mm × 33 mm

10. Longitud del cable de transmisión: 28 mm

11. Peso: 215.3 g

12. Clasificación de categoría: IEC 61010-1: CAT II 600V/CAT III 300V

13. Clasificación de temperatura: 2

14. EMC: IEC 61010-1: CAT II 600V/CAT III 300V

5. Maksymalna rozwarci szczepki: 28 mm

6. Wysyłanie: 158 × 65 × 33 mm

7. Wykonanie: 1 m

8. Wymiary: 158 × 65 × 33 mm

9. Maksymalna rozwarci szczepki: 28 mm

10. Długość przewodu: 1 m

11. Masa: 215.3 g

12. Kategoria: IEC 61010-1: CAT II 600V/CAT III 300V

13. Klasa zanieczyszczenia: 2

14. Odporność na upadek: 1 m

4. Temperatura pracy: -40°C~104°F (-32°C~40°C)

5. Temperatura przechowywania: -10~50°C (14~122°F)

6. Względna wilgotność: 5%~95% (0~30°C ponizej); ≤50% (30~40°C)

7. Wykonanie: 1 m

8. Wymiary: 158 × 65 × 33 mm

9. Maksymalna rozwarci szczepki: 28 mm

10. Długość przewodu: 1 m

11. Masa: 215.3 g

12. Kategoria: IEC 61010-1: CAT II 600V/CAT III 300V

13. Klasa zanieczyszczenia: 2

14. Odporność na upadek: 1 m

3. Fingernäck

4. Avstånd till ryggen på den för att öppna kåken.

5. Kompatibel för alla typer av kablar, kan mata kablar med hög 28 mm i diameter.

6. Används tillsammans med multimeter, gör det möjligt att se noggrann avläsning utan att avbryta kretsen.

7. Projektion: 1 m

8. Mått: 158 × 65 × 33 mm

9. Material: plast

10. Vikt: 215.3 g

2. Geometriskt centrummarkering

3. Fingernäck

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1. Kläm kabel

2. Geometriskt centrummarkering

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