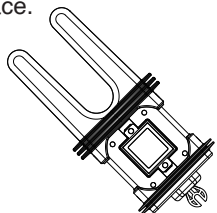


Digital Clamp Current Tester for High Voltage HCL-36UX

English Manual (ver. 1.50)

Thank you very much for purchasing HCL-36UX. Before using, read this instruction manual carefully and use it correctly. In order to refer the instruction manual anytime, keep it always at a safe and available place.



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Instruments

Warranty Sheet

In a case of failures, due to manufacturing defects, contact the shop/ distributor where you purchased product or directly inform us. The warranty period of this product is one year from the date of purchase.

Warranty	
[User Information]	
Street Address:	
Full Name:	
Model :HCL-36UX	
Serial number :	
Warranty period:15month after shipment by factory	
Distributor/ shop name:	
Note	<ul style="list-style-type: none"> This warranty sheet is required for after-sales service. This warranty sheet is not to be reissued. For your convenience, fill in above information and keep it with the end user of the instrument.
Warranty policy	
1. In cases of a malfunction occurs during normal use, within the warranty period, it is to be repaired free of charge, based on the warranty provisions.	
2. The warranty sheet is not to be reissued.	
3. Even during the warranty period, under the following circumstances, items are not to be repaired free of charge.	
A) Failure due to improper handling	
B) Failure due to handling and use, outside design specifications	
C) Failure due to modifications or repairs other than our company or those commissioned by our company	
D) Other failures not considered to be manufacturing defects	

For Safe Use

In order to use this instrument safely, follow this instruction manual strictly and attention to following cautions and warnings described below.

Warning

In cases of misused, it causes serious injury to the body or danger to the life of the end-user. Pay extra attention when used.

Cautions

If it is misused, it causes damage to the instrument. Or it disturbs the function of the instrument as specified.

Warning

- There is a risk of electric shock.
- Never use on power lines. It may cause an accident.
- Before using, be sure to follow insulation distances specified by each electric power company. Connect to an insulating rod with a necessary length. Never use this unit alone in order to avoid accidents.
- Secure firmly with a screw which is strong enough to support weight of the unit and the insulating rod, in order to prevent it from falling off. *If dropped, the shock may cause damage to workers or surrounding facility.
- Never hit the ground after use. It may cause malfunction.
- Check whether the surrounding environment is safe before use.
- High voltage circuits are extremely dangerous. For user without specialized knowledge, avoid using the instrument.
- Even while operating a smartphone or a display, ensure the safety of the unit connected with the insulation rod. If the unit falls at the top of the insulation rod, it may lead to an unexpected accident.
- For safety, use it on a distribution line of AC 36kV or less. It is very dangerous if the line carrying voltage exceeds 36kV due to overvoltage.
- If the temperature of the measuring covered conductor exceeds 100°C, due to overvoltage or so on, avoid using. It may lead to damage to the unit.
- Do not use without the rubber cover or the battery cover that protects the CT part.
- Do not use when the rubber cover is torn, cracked or having an abnormality.
- Due to safety reasons, do not use under abnormal condition, such as rain, lightning, eruption, storm, earthquake or tsunami.
- Do not use at uninsulated conductors or at bus bars
- Do not push into a covered electric wire, larger than the inner diameter of the unit.
- Do not use with damages on to the instrument or the insulating rod.

- Do not use for any purpose other than measuring electrical currents.

Caution

- If the unit becomes dirty, use a soft cloth with moistened water or a neutral detergent in a small amount and wipe lightly. Do not use abrasive or machine solvents. At the cover parts, it may cause deterioration of insulation condition.
- Do not use if water gets inside or its surface is wet.
- Do not wash by immersing it in water or in similar liquid.
- Do not dry it in a microwave oven or in similar heaters.
- Do not expose to direct sunlight for a long time. It may cause deterioration of its cover.
- It is NOT dustproof or waterproof structure. Do not use or store in environment with harmful smoke or gas containing salts, sulfur, ammonia components or in ultraviolet light, etc. It may cause malfunction.
- Some kinds of oil may deteriorate the cover part, and it may cause malfunction. Wipe oil away lightly with a soft cloth, moistened with water or a neutral detergent, a small amount.
- Refrain from storing it in an environment where has mold etc.
- Do not store it in an environment that exceeds the specified operating temperature and humidity.
- Do not roast this unit with a firearm such as a lighter
- Cannot be used underwater.
- Do not give a strong shock to the unit.
- Do not use as a lightning rod.
- Do not use as a hammer etc.
- Before measurement, be sure to pair with a display or a smartphone. Without the pairing, it does not show the reading values.
- Insulation condition is secured by an insulating rod. However, depending on the environment, it is recommended to wear insulation gloves. Perform the work, according to each operation rule.

The symbol marks are shown below:

In order to protect the human-body and the unit, refer to the instruction manual and pay close attention.

In order to avoid accidents or malfunction caused by incorrect use, refer to the instruction manual.

The symbol indicates that the Bluetooth wireless technologies are employed.

Trademarks (TM, (R) mark, etc. are not specified in this manual.)
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 • Android and Google Play are trademarks of Google LLC
 • The iOS trademark is used under a license agreement with Cisco Systems, Inc.USA.

Specification

- Electrical Specificaiton
Electrical Measuring Specification at 50Hz/ 60Hz (Sine wave) with a covered conductor placed at deep inside CT from its center.

Measuring part	Specification
Measurement	AC Load/Harmonics(M-tracer) current
Measuring Range	AC 0.1A~3000A
Range switch	Auto 2range(~330A & ~3000A)
Measuring frequency	50~60Hz
Resolution	0.1A(0-329.9A)/1A(330-3000A)
Measuring Accuracy	±1%rdg±2dgt
AC converting Method	True RMS values by the analog calculation
A/D converting method	Integration Method
Sampling rate	2-times/ second

- General Specification

Contents	Specification
Insulation Condition	100MΩ with DC 1kV voltage (Between CT and the connector)
Withstanding Voltage	AC43.2kV/5min (Between CT and the connector) AC 80kV/5min (Between CT and the Hotstick)
Applicable Circuit Voltage	AC36kV(50/60Hz)
Operating Temperature and Humidity Range	-20~60°C 20~96% With lithium battery 5~45°C 20~96% With alkali battery (w/o condensation)
Measurement of temperature	Reference value displayed at "M-tracer"
CT-shape	U-type
CT inside Diameter	55.4mm
Standard	IP54H
Battery	LR6*4pcs
Operation	Power ON/ OFF (other function is at a paired unit)
Low Battery Indication	Blinking of LED on the main-body
Weight	1550g(with batteries inside)
Size	400*179.6*90.4mm