

iProbe

With clamping style design, Yuanxing iProbe series clamp on current transformers can measure line current safely without cutting off the measured cable. This method permits a safer, easy and portable current measurement.



FEATURES

- Good appearance, stable structure
- Higher accuracy, excellent linearity, and stronger antijamming capability
- Wider frequency range, higher accuracy for harmonic measurement

APPLICATIONS

- Current detecting and sensing for power quality analyzers, meet class A meter requirements
- Current detecting and sensing for oscilloscope, digital meter, data logger
- Harmonics measurement for frequency conversion and inverter power system
- Current, electric energy and power factor correcting device



PARAMETERS

Item	iProbe005	iProbe100	iProbe200
Rated Input Current	5A	100A	20A/200A
Maximum Input Current	50A	120A	30A/260A
Output Signal	10mV/A	1mV/A	10mV/A (20A Range) 1mV/A (200A Range)
Amplitude Accuracy	$\pm 0.3\% \text{rdg} \pm 0.02\% \text{f.s.}$ (45~60Hz)	$\pm 0.3\% \text{rdg} \pm 0.02\% \text{f.s.}$ (45~60Hz)	$\pm 0.3\% \text{rdg} \pm 0.02\% \text{f.s.}$ (45~60Hz)
Phase Error	$\pm 2^\circ$ (45-5kHz)	$\pm 1^\circ$ (45-5kHz)	$\pm 0.5^\circ$ (45-5kHz)
Working Voltage	CAT II 600V	CAT II 600V	CAT III 600V
Dielectric strength	3536Vac (Between electric circuit and core, between core and case)		
Working Situation	-15~+50°C, 80%RH or lower(non-condensating)		
Storage	-20~+60°C, 80%RH or lower(non-condensating)		
Operating Environment	Indoors, altitude up to 2000m		
Applicable Standards	IEC61010 Measurement CAT II, Pollution Degree2		IEC61010 Measurement CAT III, Pollution Degree2
Measurable conductor diameter	Φ15mm or less	Φ15mm or less	Φ24mm or less
Cable	Length 3.0m, ended with BNC connector	Length 3.0m, ended with BNC connector	Length 3.0m, ended with BNC connector
Outline Dimensions	48mmW*120mmH*20mmD	48mmW*120mmH*20mmD	64mmW*130mmH*26mmD
Weight	Approx.190g	Approx.190g	Approx.300g

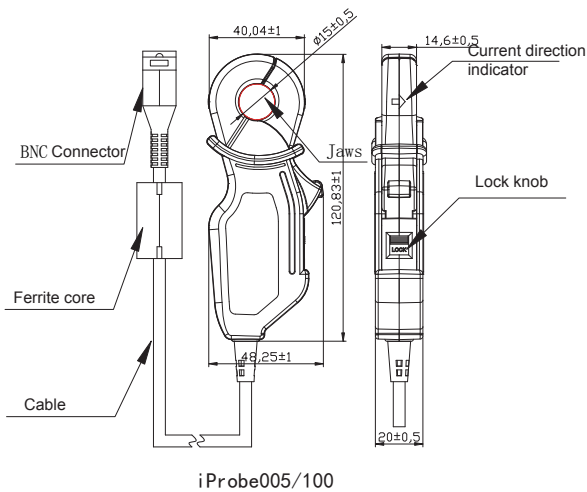
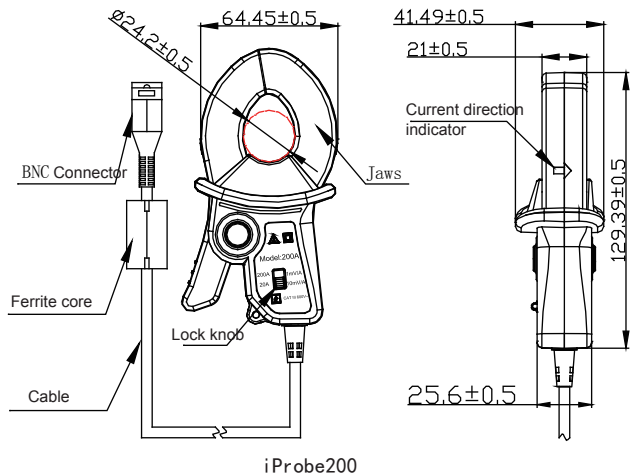
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CONSTRUCTIONS AND DIMENSIONS



PACKING

Each product packed in separate inner box with proper protection, 8 inner boxes per carton.

INSTRUCTIONS

CAUTION

When disconnect the BNC connector, please release the lock before pulling off the connector. Forcibly pulling the connector without releasing the lock, or pulling the cable, can damage the connector.

To prevent damage to the connected instruments, never connect or disconnect the current clamp while the power is on.

NOTE

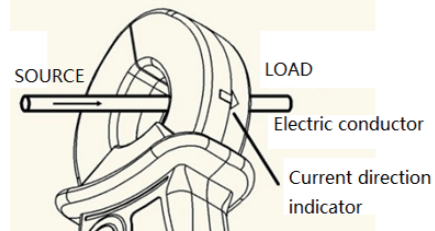
Clamp only one cable. Single-phase(2-wire) or three-phase (3-wire) cables clamped together will not produce any reading

Connect the BNC connector

Connector guide BNC connector grooves



Clamp the conductor



Position the clamp with the current direction indicator pointing toward the load side.(If install the clamp in the opposite direction, the phase displacement will deviate 180 degrees

To remove the BNC connector, turn the connector in counter clockwise direction and pull it out.

1. Guide the BNC connector groove with the meter connector, clockwise turn the connector to lock.
2. Open the clamp and clamp the cable with current direction indicator pointing load side.
3. Close the Clamp with good match of core.