

## Q125

### 2000A HIGH ACCURACY BUS BAR AC CLAMP ON CURRENT TRANSFORMER

The model Q125 2000A clamp on current transformer measuring instrument can be used for a current vector for the copper bar or the power aluminum bus bar on-line detection. It has a 120mm \* 50mm square hole, make it specially suitable for bus bar current measurement. In this method, there is no need to break a circuit or to affect the isolation to measure the current. This clamp current transformer can be applied for energy meter & power meter, Standard IEC61869, EN61010-2-032 & CE. easy installation, measurement 3000A big current value, frequency range from 40Hz to 2KHz, ratio 1000:5, 2000:5, 3000:5.

### Features

1. UL, CE CNAS mark;
2. Frequency 40Hz-2kHz Bandwidth;
3. Large bus bar jaw opening designed;
4. Conforms to EN 61010, 600V CAT III;
5. Measurement range of 1A to 3600A AC;
6. Low phase shift for power measurement;
7. Holding wire diameter:  $\phi 120\text{mm} \times 50\text{mm}$ ;
8. Industrial design & beautiful appearance;
9. Transformation ratio: 1000:5, 2000:5, 3000:5;
10. High precision 0.2% for current measurement;
11. Improved ergonomic design & easy operation;
12. Output: 5mA AC/A AC, 2.5mA AC/A AC, 1.666mA AC/A AC;
13. Nominal range: 1 to 1000AAC, 1 to 2000AAC, 1 to 3000AAC;
14. Designed for recorders, loggers, oscilloscopes, power and harmonic meters;
15. When less than 1A output, load capacity  $\leq 20\Omega$ ; When 5A output, load 2.5VA;



### Application

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|---------------------------|-------------------------------|--|
| 1. HVAC;                  | 7. Large industrial loads;    | 13. Power and harmonic meters;           |
| 2. Power meter;           | 8. Data logging/recording;    | 14. Calibration instrument on site;      |
| 3. Oscilloscopes;         | 9. Power quality analyzer;    | 15. Energy meter calibrator on site;     |
| 4. Electrical utility;    | 10. Power load monitoring;    | 16. Measuring around cable bundles;      |
| 5. Plant maintenance;     | 11. Industrial maintenance;   | 17. Clamp type ground resistance tester; |
| 6. Electrical Laboratory; | 12. Power quality monitoring; |  |

## Parameters

Electrical parameters	
Ratio	1000: 1 or 2000:1 (customized)
Accuracy class	0.2%, 0.5%, 1%
Primary current	0 - 1000A, 0 - 2000A, 0 - 3000A AC
Secondary current	0 - 5A AC (customized)
Max. Cont. Input current	3600A
Over voltage category	CAT III 600 V
Output signal (AC current)	500mA,1A,5A AC at nominal input current
Output signal (AC voltage)	333mV,500mV,1V,5V AC at nominal input current
Frequency range	40Hz-2KHz
Dielectric strength	3KV 50Hz/60Hz at 1 minute
Temperature range	-20°C to +55°C
Output	2.5 meter cable with D01 connector
Max. voltage not insulated conductors	720 V
Standard	EN 61010-1, EN 61010-2-032, EN 61010-2-031 IEC60044-1, & IEC61869-2, 600V CAT III
Installation	Clamp type
Output mode	Lead output (2.5m)
Connector	BNC, 4mm banana, signal cable(2 cores),customized
Mechanical parameters	
Dimensions (L x W x H) (mm)	116 x 327 x 35
Weight (g)	1200
Holding wire diameter (mm)	φ120 x 50
Max. jaw opening (mm)	50
Jaw color	White or Blue
Material	PC+ABS, UL94 V0

**Notes:** Can be customized current probe according to user requirements!

## Selection guide

Model	Rate Current	Max Current	Secondary Current	Coil Ratio	Burden Resistance	Accuracy
Q125A5-500	500A	600A	5A	100:1	2.5VA	0.5%
Q125A5-600	600A	720A	5A	120:1	2.5VA	0.5%
Q125A5-800	800A	960A	5A	160:1	2.5VA	0.5%
Q125A5-1000	1000A	1200A	5A	200:1	2.5VA	0.5%
Q125A5-2000	2000A	2400A	5A	400:1	2.5VA	0.5%
Q125A5-3000	3000A	3600A	5A	600:1	2.5VA	0.5%
Q125A1-1000	1000A	1200A	1A	1000:1	2.5VA	0.2%
Q125A1-2000	2000A	2400A	1A	2000:1	2.5VA	0.2%
Q125A1-3000	3000A	3600A	1A	3000:1	2.5VA	0.2%
Q125A2-500	500A	600A	250mA	2000:1	customized	0.2%
Q125A2-1000	1000A	1200A	500mA	2000:1	customized	0.2%
Q125A2-2000	2000A	2400A	500mA	4000:1	customized	0.2%
Q125A3-1000	1000A	1200A	400mA	2500:1	customized	0.2%
Q125A3-2000	2000A	2400A	400mA	5000:1	customized	0.2%
Q125A4-1000	1000A	1200A	250mA	4000:1	customized	0.2%
Q125V1-1000	1000A	1200A	1V	2000:1	customized	0.5%
Q125V1-2000	2000A	2400A	2V	2000:1	customized	0.5%
Q125V1-3000	3000A	3600A	3V	2000:1	customized	0.5%
Q125V2-1000	1000A	1200A	333mV	1000:1	customized	0.5%
Q125V2-2000	2000A	2400A	333mV	2000:1	customized	0.5%
Q125V2-3000	3000A	3600A	333mV	3000:1	customized	0.5%

Notes: Can be customized current probe according to user requirements!