

Composite core for DC immune current transformer

Magnetic core structure features:

The original patented technology, magnetic core composite of high magnetic and constant magnetic materials.

Core performance characteristics:

Strong ability resistance to DC

High precision, applicable grade range 0.5-0.1 class, applicable current range 1.5-200A

Excellent high and low temperature characteristics

High cost performance

Application areas:

DC immune current transformer for electric meter/energy meter/smart meter

DC Immune current transformer for power system measurement and control



Common size specifications, applicable accuracy levels, and DC ranges :

No.	Core size	Outline Dimensions	Accuracy level	Applicable current range
1	Φ14×20×10	Φ12.2×22.7×11.8	0.5 - 0.1 level	20-40A
2	Φ14×21×8	Φ12.5×22.65×9.5	0.5 - 0.1 level	60A
3	Φ15×21×10	Φ12.8×23.6×12.8	0.5 - 0.1 level	10-40A
4	Φ15.5×24×8	Φ13.7×26.3/×9.9	0.5 - 0.1 level	60A
5	Φ16×21×10	Φ13.6×23.6×12.5	0.5 - 0.1 level	40-60A
6	Φ16×23×10	Φ14.0×25.0×13.0	0.5 - 0.1 level	40-60A
7	Φ16×25×8	Φ13.7×27.8×10.8	0.5 - 0.1 level	60A
8	Φ17×22×10	Φ15.3×24.4×12.3	0.5 - 0.1 level	60A
9	Φ17×22×10A	Φ15.3×24.4×12.3	0.5 - 0.1 level	30A
10	Φ17×24×8	Φ15.3×26.3×9.9	0.5 - 0.1 level	60A
11	Φ17×25×10	Φ15.3×27.8×13.1	0.5 - 0.1 level	80A-100A
12	Φ17×25×10A	Φ15.6×28.0×12.8	0.5 - 0.1 level	100A
13	Φ17×28×8	Φ15.2×29.8×10.1	0.5 - 0.1 level	65A
14	Φ17×28×8A	Φ15.2×29.8×10.1	0.5 - 0.1 level	100A
15	Φ18×24×10	Φ15.8×26.6×12.8	0.5 - 0.1 level	60-100A
16	Φ18×25×12	Φ16.2×27.6×14.2	0.5 - 0.1 level	100A
17	Φ18×28×15	Φ16.0×30.2×17.6	0.5 - 0.1 level	100A
18	Φ19×27×8	Φ16.6×29.3×9.8	0.5 - 0.2 level	60-100A
19	Φ19×27×12	Φ17.15×28.8×14	0.5 - 0.1 level	100-120A
20	Φ19×28×10	Φ17.1×30×12.4	0.5 - 0.1 level	100A
21	Φ19×28×12	Φ17.1×30.2×13.9	0.5 - 0.1 level	120A
22	Φ20×30×8	Φ18.1×32.6×10	0.5 - 0.2 level	100-120A
23	Φ21×29×10	Φ18.8×32.1×13.8	0.5 - 0.1 level	60-80A
24	Φ21×29×10A	Φ18.8×32.1×13.8	0.5 - 0.1 level	100A
25	Φ23×33×15	Φ21.2×36.2×18.1	0.5 - 0.1 level	200A
26	Φ22×32×8	Φ20.5×34.1×10.2	0.5 - 0.1 level	100-120A
27	Φ48×60×15	Φ46.0×64.0×19.5	0.5 - 0.1 level	200A

Note:

1. The above performance parameters are related to the actual number of windings and wire diameter of the customer, and are only used as reference for customer selection.
2. Can be customized according to the user's specific size performance requirements.

