

FU-16

SPLIT CORE CURRENT TRANSFORMER FOR ENERGY METER

FU-16 series of split-core current transformer offers 333mV, 100mV-2V and 10mA-200mA at secondary from sensed primary current. Without using secondary CT inside of meter, users directly connect FU-16 series to meter for high accuracy metering application. It enables one meter to be adopted for various current rating by only changing primary CT so it makes compact meter design and reduces developing cost. Also, over-voltage protection circuit is included to offer safe, fast and cost effective installation.



Features

1. Most cost-effective
2. Faster installation
3. Safe and easy installations
4. High accuracy 0.5
5. Holding wire diameter: $\phi 16\text{mm}$
6. Measurement range of 1mA to 200A AC
7. Low phase shift for power measurement
8. Output model: Lead output(2.5m)
9. Isolated plastic case recognized according to UL94-V0
10. Small-size, compact size, light-weight
11. Over-Voltage protection circuit is installed.
12. UL / EN 61010 - 1 certified

Applications

1. Power meter and harmonic meters
2. Energy meter (kWh meter)
3. Recorders, loggers, oscilloscopes
4. Power quality monitoring
5. Switchgear
6. Distributed measurement systems
7. General Sets
8. Control panels



Ordering information

Be sure to the type, current ratio, accuracy class, rated load and use of the products when you plan to make a order. Special specifications could be customized.

All kinds of different specifications and parameters current transformers can be made according to your needs.

Parameters

Technical parameters	
Standards	IEC/EN60044-1 & IEC61010-1 & IEC61869-2
Ratio	1000: 1 or 2000:1 , customized
Nominal input current (Primary current)	20 A/30A/40A/50A/60A/80A/100A/150A/200A
Overload withstand	1.2 times rated current continuously
Accuracy	0.2%, 0.5 % , 1%
System Voltage	720V(0.72kV)
Output signal	10mA-200mA AC optional 333mV AC or 100mV-2V optional
Frequency range	40 Hz-500 Hz
Dielectric strength	3KV 50Hz/60Hz at 1 minute
Output	Standard 2.5 meter cable
Protection Level	3.0V0-P
Installation Category	CAT II or CATIII 600VAC
Max. jaw opening	16 mm
Mechanical parameters	
Dimensions (W×D×H) (mm)	38mm x 55mm x 18 mm
Weight (g)	60
Operating conditions	
Operating temperature	-25 to +55°C
Relative Humidity	0-85% non-condensing
Altitude	<3500 meters
Condition	No existence of severely begrimed, erosive and radioactive gas in the air. Permission of long-term operation under rated current.