

Features

- High linearity, small ratio error and phase error, high metering accuracy
- Epoxy resin encapsulation, reliable insulation, moisture-proof and vibration-proof
- Wide operating temperature range, strong environmental adaptability
- Lead wire output, flexible assembly method
- Round hole design, flexible outlet direction

**■ Performance Summary**

Operating Frequency / 工作频率	50~60Hz
Load Resistance / 负载电阻	$\leq 20\Omega$
Insulation Resistance / 绝缘电阻	1000M Ω /500VDC
Isolation Voltage / 绝缘电压	4KV/min
Operating Temperature / 工作温度	-40℃-85℃
Storage Temperature / 储存温度	-40℃-85℃
Relative Humidity / 相对湿度	$\leq 95\%$ RH
Altitude / 海拔高度	$\leq 4000\text{m}$
Atmospheric conditions / 大气条件	No gases, vapors, chemical deposits, dust, or other corrosive or explosive media that seriously affect the insulation of the transformer.
Environmental Features / 环保特性	ROHS 2.0

Basic Parameters

Rated Primary Current 额定一次电流 I _b (A)	Max Current 最大电流 I _{max} (A)	Rated Secondary Current 额定二次电流 I _s (mA)	Turns Ratio 匝数比 N	Accuracy Class 精度等级 (%)	DC Immunity 抗直流分量 (%)	Magnetic Shielding 磁屏蔽 (T)	Load Resistance 负载电阻 R _b
5	60	2.5	2000: 1	0.1, 0.2	/	/	5-20
5	60	2	2500: 1	0.1, 0.2	/	/	5-20
10	60	2.5	2000: 1	0.1, 0.2	/	/	5-20
10	80	2	2500: 1	0.1, 0.2	/	/	5-20
10	80	2.5	2000: 1	0.1, 0.2	/	/	5-20
5	80	2	2500: 1	0.1, 0.2	/	/	5-20

Ordering Information

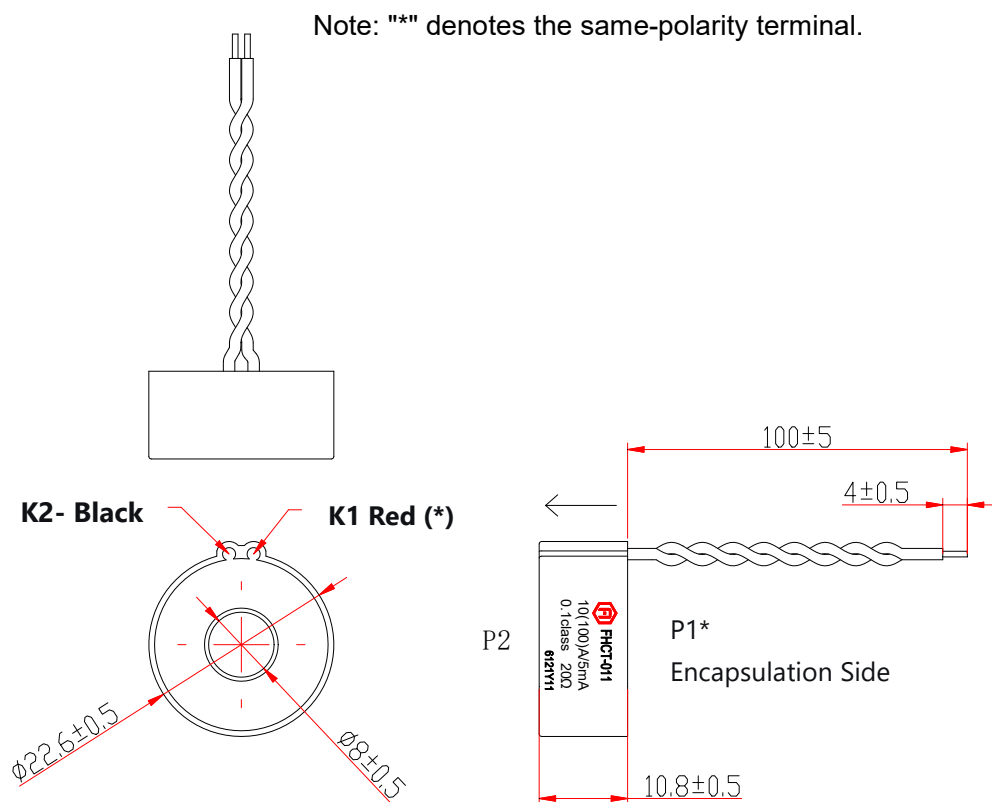
	FHCT-011	10A	100A	5mA	0.1	20Ω
①: Series/型号						
②: Rated primary current/额定一次电流	5~10A					
③: Max Current/最大电流	60~80A					
④: Rated Secondary Current/额定二次电流	2~2.5mA					
⑤: Accuracy Class/精度等级	0.1, 0.2					
⑥: Load Resistance/负载电阻	5-20Ω					

Note: (1) If there is a requirement for resistance to external strong magnetic field interference, the magnetic field strength and distance shall be provided together during model selection;
 (2) Basic electrical parameters can be customized to meet customers' actual application requirements.



■ Wiring and Installation Dimension Drawing (Unit: mm)

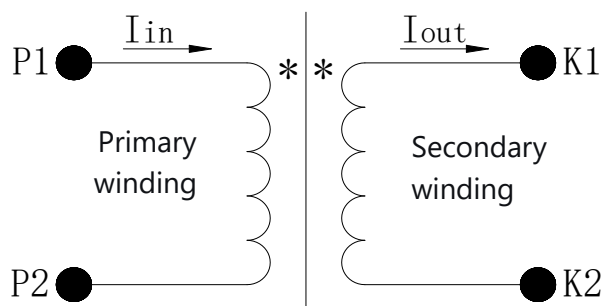
Outline Drawing



Remarks:

- (1) The length, color, and connector type of the secondary lead wires can be customized;
- (2) The position of the polarity terminals (same-polarity terminals) can be customized according to requirements;
- (3) The marking/printing content can be customized according to requirements.

■ Schematic diagram:



■ Precautions

- ① Do not bend or pull the lead wires forcefully at the root, to avoid breaking the internal winding;
- ② The secondary winding must not be left open-circuited, to prevent induced high voltage from damaging the circuit;
- ③ The primary conductor should pass through the through-hole as centrally as possible, to reduce additional error caused by the installation position;
- ④ The secondary load resistance must match the specified parameters; mismatched load will affect metering accuracy;
- ⑤ The withstand voltage test shall not be applied repeatedly, to avoid damage to the winding insulation;
- ⑥ Do not hit or grind the epoxy-encapsulated housing, to prevent degradation of insulation performance.

