



EASYSPLIT®

SPLIT-CORE CTs



The JPS series revenue-grade, split-core current transformers offer the high accuracy and low phase shift, and the easy two-handed opening and closing, with a safe output values of 100, 250, 333, 500, 1000mVac of voltage output and 50, 80, 100mAac of current output.

The JPS series fulfill the standards, IEEE/ANSI C57.13, Class 0.3/0.6/1.2 accuracy and IEC 61869-2 Class 0.2S/0.5S/1.0 accuracy. Designed specifically for Revenue grade energy and power quality meters, the JPS series is available in four window opening sizes of 10mm / 20mm / 33mm / 52mm, with the current measurements 5A to 1,600A. All models are available in standard and revenue-grade accuracies and offer a wide range of reading from 1% to 120% of primary rated current, wider than other standard current transformers.

The JPS series revenue-grade split core CTs are optimized for Renewable energy power monitoring, Distribution circuit metering, and Power quality metering. They have a hinged opening mechanism for easy installation.

◆ Applications

- Power Metering.
- Sub-metering for Building; Energy efficiency monitoring, consumption analysis, and cost allocation.
- Power Quality Monitoring for Distribution System Equipment.
- Condition Monitoring for Conveyers, Pumps, etc.
- Hybrid Inverter for Home Energy Storage.
- Distributed Measurement Systems.

◆ Features

- PC spring, secure locking hinge, one-touch structure make easy to install to the existent equipments such as a power distribution boards.
- Isolated plastic case recognized according to UL94-V0
- N type (Nickel core)
- F type (Ferrite core)
- Lead wire: Yellow & Brown

◆ Benefits

- Small-size, light-weight
- Simple Installation
- Over-Voltage protection circuit is installed.

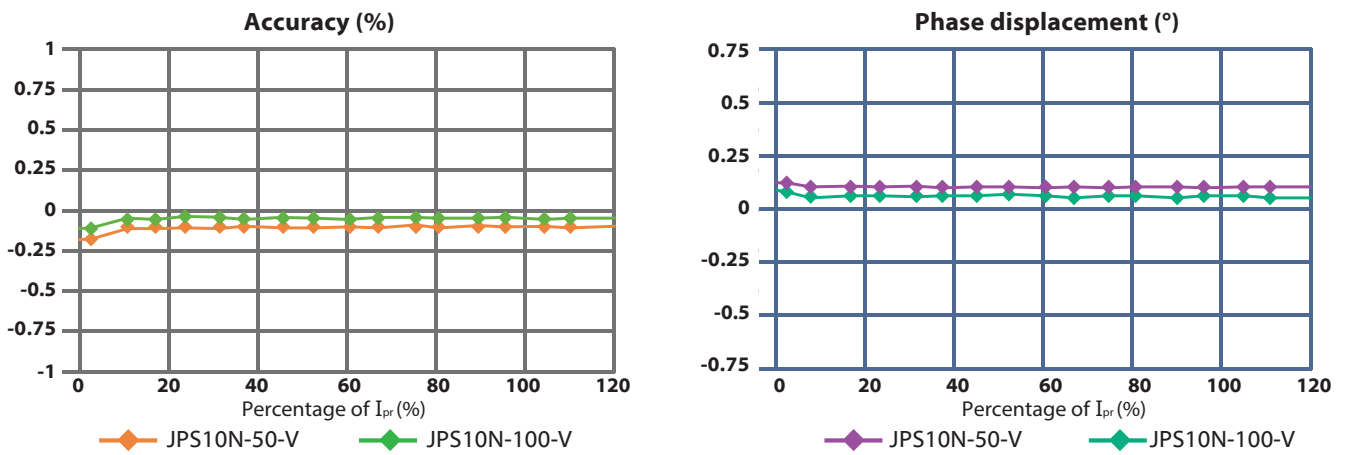
◆ Specifications

| | JPS10X-XXXX-V |
|-----------------------|--|
| Accuracy | 0.2S / 0.5S / 1.0 class |
| Rated Amps | 5, 15, 20, 30, 50, 70, 100 |
| Input Current | AC current, sine wave, 50/60Hz (specify) |
| Output Voltage | 100, 250, 333, 500, 1000mVac |
| IEC Accuracy Class | IEC 61869-2 Class 0.2S/0.5S/1.0 |
| US Accuracy Class | IEEE/ANSI C57.13, Class 0.3/0.6/1.2 |
| Standard Lead Length | 8 ft (2.4m) 18 AWG (Shielded Cable option) |
| Bandwidth | 40Hz to 400Hz standard |
| Insulation Category | (PD2-1000VACrms. CATIII per 61010-1) 600VACrms. CATIV per 61010-1 |
| Operating Temperature | -40°C to 70°C |
| Altitude | Up to 3000 meters, Pollution Degree 3, Humidity up to 95% (non-condensing) |
| Construction | Molded cases 115°C UL recognized plastic |

◆ Accuracy class 0.2S/ 0.5S/ 1.0 according to IEC 61869-2

| Accuracy Class | ±Percentage current(ratio) error at percentage of rated current shown below | | | | | ±Phase displacement at percentage of rated current shown below | | | | |
|----------------|---|------|-----|------|------|--|-----|-----|------|------|
| | 1% | 5% | 20% | 100% | 120% | 1% | 5% | 20% | 100% | 120% |
| 0.2S | 0.75 | 0.35 | 0.2 | 0.2 | 0.2 | 30 | 15 | 10 | 10 | 10 |
| 0.5S | 1.5 | 0.75 | 0.5 | 0.5 | 0.5 | 90 | 45 | 30 | 30 | 30 |
| 1.0 | | 3.0 | 1.5 | 1.0 | 1.0 | | 180 | 90 | 60 | 60 |

◆ Typical performance characteristics (F(I)[%]&f[°]@25°C/0.05VA@50Hz/60Hz)



◆ Dimensions

