



6 fázisáram (6×30A) + 4 fázisfeszültség  
(4×300V) kimenet  
Beépített ipari PC PC 10.4"-os LCD-vel  
Távvezérlési lehetőség  
Nagy-teljesítményű lineáris erősítő  
Intelligens önvédelem  
Független Aux. DC csatlakozás  
Sokféle mérőmodul

The RELAYSTAR-406(economic version) is the portable test set for testing most types of modern multifunction protection relays, which can output 6-phase current(6x0...30A) and 4-phase voltage (4x0...300V). The RELAYSTAR-406 is an excellent choice when you want higher output voltage(4-phase AC voltage: 4x0...300V, 4-phase DC voltage: 4x0...±400V).

The local software system of RELAYSTAR-406(economic version) is designed based on Windows system.

It can either be operated by embedded industrial PC with 10.4" TFT LCD screen or by test software running on a PC.

The RELAYSTAR-406(economic version) is the most economical choice for testing and commissioning engineers to perform relay testing on site.

## Technical Data

### Current Generator

- Setting Range
  - 6-phase AC(L-N) 6x0...30A
  - 3-phase AC(L-N) 3x0...60A
  - 1-phase AC(LL-LN) 1x0...180A
  - DC(L-N) 6x0...±15A
- Power
  - 6-phase AC(L-N) 6x120VA at 30A
  - 3-phase AC(L-N) 3x180VA at 60A
  - 1-phase AC(LL-LN) 1x450VA at 180A
  - DC(L-N) 6x120VA at 15A
- Accuracy:
  - AC: ±2mA( ≤0.5A), <0.1% (0.5~30A)
  - DC: ±2mA( ≤0.5A), <0.2% (0.5~15A)
- Resolution 1mA

### Voltage Generator

- Setting range
  - 4-phase AC(L-N) 4x0...300V
  - 1-phase AC(L-L) 1x0...600V
  - DC(L-N) 4x0...±400V
- Power
  - 4-phase AC(L-N) 4x80VA at 300V
  - 1-phase AC(L-L) 1x100VA at 600V
  - DC(L-N) 4x80VA at 400V
- Accuracy
  - AC: ±10mV( ≤5V), <0.2% (5~300V)
  - DC: ±10mV( ≤5V), <0.4% (5~400V)
- Resolution 1mV

### Auxiliary DC Supply

- Voltage range 40~300V
- Power max.160VA

### Binary Inputs

- Number 8
- Input characteristics: dle contact or potential-free contact
- Threshold characteristics: "0": 0... 6V; "1": 12V... 250V
- Max. measuring time: 999999.999s
- Time accuracy / resolution: ±1ms / 1ms

### Binary Outputs

- Number: 4
- Type: idle contact
- Break capacity: 250VAC/0.5A, 250VDC/0.2A

### General Generators

- Frequency
  - range: 0~1000Hz
  - accuracy: <1mHz(0~65Hz), <10mHz(65~450Hz), <20mHz(450~1000Hz)
  - resolution: 0.001Hz
- Phase
  - range: -360° ~ +360°
  - accuracy: 0.1°
  - resolution: 0.01°
- Harmonic
  - superposition order: 2~20 times
  - distortion: ≤0.5%

### Power Supply

- Nominal input voltage: customized (AC 220V/230V/120V/127V ±10%, 1-phase)
- Nominal frequency: 50/60 Hz
- Rated current: 10A at 230V / 12A at 115V
- Connection: Standard AC socket (IEC 60320)

### Environmental Conditions

- Operation temperature: 0 ... +50°C
- Storage temperature: -25 ... +70°C
- Humidity range: relative humidity 5 ... 95%, non-condensing
- Vibration: IEC 60068-2-6 (20m/s<sup>2</sup> at 10 ... 150 Hz)

### Miscellaneous

- Weight:17kg
- Dimensions (W x H x D, without handle): 405×290×190mm

### EMC, érintésvédelem

- EMC: The product adheres to the electromagnetic compatibility (EMC) Directive 2004/108/EC(CE conform). IEC 61326-1; IEC 61000-6-4; IEC 61000-3-2/3
- Érintésvédelem: the product adheres to the low voltage Directive, 2006/95/EC(CE conform). IEC 61010-1

### Certifications

- ISO 9001, ISO 14001, OHSAS 18001, CE, Calibration Report