



Beépített ipari PC 9.7"-os érintő képernyővel
Távvezérlési lehetőség
IEC 61850-9-1/9-2/9-2LE, GOOSE, IEC
60044-7/8 FT3 előírásoknak megfelelő üzenetek szimulálása
12 alacsony-szintű analóg kimenet
Négy idő szinkronizációs mód: beépített GPS, IRIG-B
kód, PPS és IEEE1588
Kis méret és súly (csak 4 kg)

The RELAYSTAR-6000D is new generation test set dedicated to IEC 61850-based protection devices and Merging Unit. It can simulate various types of messages which conforms to IEC 61850-9-1/9-2/9-2LE, GOOSE, IEC 60044-7/8 FT3. The time synchronization modes GPS, IRIG-B code and IEEE1588 are supplied along with the RELAYSTAR-6000D, which makes both substation internal debugging and substation to substation joint debugging available. The RELAYSTAR-6000D can control external amplifiers through its 12 low level analog outputs. The RELAYSTAR-6000D can either be operated by embedded industrial PC with 9.7" touch screen or by test software running on a PC.

Technical Data

Ethernet Communication Interfaces

- 10/100Base-TX(10/100Mbit, twisted-pair, auto-crossover)
- Number of port: 2
- Type of interface: RJ45
- Status indication: LED lights

Optical Fiber Communication Interfaces

- Mode: 100Base-FX (100Mbit, optical fiber, full duplex)
- Number of port: 16
- Type of interface: ST
- Fiber type: 62.5/125 μ m(multi-mode fiber)
- Wavelength: 1310nm
- Transmission distance: >1km
- Status indication: LED lights

FT3 Interfaces

- Number of port: 10(8 for transmitting, 2 for receiving)
- Type of interface: ST
- Fiber type: 62.5/125 μ m(multi-mode fiber)
- Wavelength: 850nm

Low Level Analog Outputs

- Number of outputs: 12
- Setting range: AC: 0~7.07Vrms; DC: 0~10V
- Current at max. Burden: 1 mA
- Accuracy: <0.05%
- Resolution: 250 μ V
- Distortion (THD+N): <0.1%
- Frequency
 - sinusoidal signal: 10~1000Hz
 - transient signal: DC~10.0kHz
 - accuracy: <0.002% (under power frequency, error 1 mHz)
 - resolution: 0.001Hz
- Phase
 - range of phase angle: 0 ~359.9°
 - accuracy: <0.1°, 50/60Hz
 - resolution: \pm 0.01°

Binary Inputs

- Number 10
- Type: potential-free contact or idle contact (automatic identification)
- Threshold characteristics: "0": 0... 6V; "1": 12V... 250V

Binary Outputs

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

Power Supply

- Nominal input voltage: customized (AC 220V/230V/110V/120V \pm 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/s² at 10 ... 150 Hz)

Miscellaneous

- Weight: 4 kg
- Dimensions (W x H x D, without handle): 345x135x270 mm

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, Tet Report, Calibration Report