



A **RELAYSTAR-7000A** egy univerzális mérőegység mindenfajta védőrelé ellenőrzésére, beleértve az IEC 61850 típusú védelmi eszközöket és MU-kat is. A mérőegység 6 fázisáramot és 6 fázisfeszültséget biztosít a méréshez és IEC 61850-9-1/9-2, GOOSE, IEC 60044-7/8 FT3 előírásoknak megfelelő üzeneteket tud előállítani. A készülék üzemeltethető a beépített 9.7"-os' TFT LCD képernyős ipari PC-ről, vagy külső PC-n futtatott mérőszoftverről.

Technical Data

Current Generator

- Setting Range
 - 6-phase AC(L-N): 6x0...30A
 - DC(L-N): 6x0...±10A
- Power
 - 6-phase AC(L-N): 6x450VA at 30A
 - DC(L-N): 6x120VA at 10A
- Accuracy:
 - AC: ±0mA (≤0.2A), ≤0.1% (0.5~30A)
 - DC: ±5mA (0.2~0.5A), ≤0.2% (0.5~10A)
- Resolution 1mA

Voltage Generator

- Setting range
 - 6-phase AC(L-N) 6x0...150V
 - DC(L-N) 6x0...±160V
- Power
 - 6-phase AC(L-N): 6x80VA at 150V
 - DC(L-N): 4x80VA at 160V
- Accuracy
 - AC: ±2mV (0.2~2V), ≤0.1% (2~150V)
 - DC: ±10mV (0.5~5V), ≤0.2% (5~160V)
- Resolution 1mV

General Generators

- Frequency
 - range: 0~1200Hz
 - accuracy: <1mHz (0~65Hz), <10mHz (65~450Hz), <20mHz (450~1200Hz)
 - resolution: 0.001Hz
- Phase
 - range: -360° ~ +360°
 - accuracy: 0.1°
 - resolution: 0.01°
- Harmonic
 - superposition order: 2~24 times
 - distortion: ≤0.5%

Binary Inputs

- Number 8
- Input characteristics: dle contact or potential-free contact
- Threshold characteristics: "0": 0... 6V; "1": 12V... 250V

Binary Outputs

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

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: 8
- Type of interface: LC
- Fiber type: 62.5/125μm (multi-mode fiber)
- Wavelength: 1310nm
- Transmission distance: >1km
- Status indication: LED lights

FT3 Interfaces

- Number of port: 9 (8 for transmitting, 1 for receiving)
- Type of interface: ST
- Fiber type: 62.5/125μm (multi-mode fiber)
- Wavelength: 850nm

Power Supply

- Nominal input voltage: customized (AC 220V/230V/120V/127V ±10%, 1-phase)
- Nominal frequency: 50/60 Hz
- Rated current: 10A at 230V
- 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: 21kg
- Dimensions (W x H x D, without handle): 405×185×300mm

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