



NF801

Intelligent Relay Tester

Specifications

Power Supply

Main power

Rated voltage	220V (AC)
Range	100V~240V (AC)
Rated frequency	50Hz
Range	40~60Hz
Current	1A(max)

Ethernet Communication Interface

Ethernet communication port: for communication with the PC

Type	10/100Base-TX(10/100Mbit, twisted-pair, automatic cross)
Interface	1
Interface type	RJ45
Cable type	Category 5 twisted pair
Status indication	LED

Front panel fiber-optic communication interface: for IEC61850-9-1/2, GOOSE communication

Type	100Base-FX (100Mbit, fiber-optic, full-duplex)
Number of ports	8
Interface type	LC
Fiber-optic type	62.5/125 μ m(multimode fiber, orange)
Wave length	1310nm
Transmission distance	>1km
Status indication	LED

Rear panel FT3 interface: for IEC60044-7/8 of FT3 communication

Standard	IEC60044-7/8
Number of ports	8
Interface type	ST
Fiber-optic type	62.5/125 μ m(multimode fiber, orange)
Wave length	850nm
Transmission distance	>1km
Status indication	LED

Low-level Signal Analog Output

Signal amplitude

Output channel	12
Set range	AC:0~7.07Vrms DC:0~10V
Max. output current	1mA
Accuracy	0.07~7.07Vrms:Error<0.2% 0.02~0.07Vrms:Error<1%

Resolution	250 μ V
Distortion(THD+N)	<0.1%
Frequency	
Sinusoidal signal	10~1000Hz
Transient signal	DC~10.0kHz
Accuracy	0.002%(under frequency,error 1mHz)
Resolution	0.001Hz
Phase	
Range of phase angle	0 to 359.9°
Accuracy	<0.1°,50/60Hz
Resolution	\pm 0.01°

Binary

8 pairs of binary inputs(A-H)

Input characteristic	30V~250V(DC) or empty contact (automatic identification)
Sample frequency	10kHz
Time resolution	100 μ s
Max measurement time	1.50 \times 10 ⁵ s
Timing error	\pm 1ms(0.001s~1s) \pm 1%(1s~1.50 \times 10 ⁵ s)
Anti-shake time setting range (software)	0ms~25ms
Electrical isolation	8 pairs input electrical isolation
Threshold impedance parameters (Dry Contact)	5k Ω ...13k Ω
4 pairs of binary output (1-4)	
Type	Empty contacts, regardless of polarity (software control)
AC capacity	Vmax:250V(AC)/Imax:0.5A
DC capacity	Vmax:250V(DC)/Imax:0.5A
4 pairs of binary output (5-8)	
Type	Fast contact output, the speed of response is 100us
AC capacity	Vmax:220V(AC)/Imax:0.5A
DC capacity	Vmax:220V(DC)/Imax:0.5A