

Cost-Effective ▶

Intelligent Power Meter



This series of intelligent power meters have functions such as full power parameter measurement, two-way energy measurement, four-quadrant reactive energy measurement, and harmonic analysis. It can be connected to power monitoring system and energy management system to realize remote data monitoring.



MODEL SELECTION



		LNF72E	LNF72EY	LNF80E	LNF96E	LNF96EY
Hole Size (mm)		67×67	67×67	76×76	91×91	91×91
Display method	LCD display	-	■	-	-	■
	LED display	■	-	■	■	-
Real-time measurement	U/I/P/Q/S/F/PF	■	■	■	■	■
	Demand	■	■	■	■	■
Energy measurement	Bi-directional energy	■	■	■	■	■
	Four-quadrant reactive energy	■	■	■	■	■
Power quality monitoring	Unbalance	■	■	■	■	■
	THD	■	■	■	■	■
	2-15th harmonic content	■	■	■	■	■
Input/Output	Energy pulse	1	1	1	1	1
	RS485 communication interface	1	1	1	1	1
	Digital input	□	□	□	□	□
	Relay output	□	□	□	□	□
	Analog output	□	□	□	□	□

Note: 1. "■": Yes "-": No "□": Optional

2. Add "-K" after 2 digital inputs model, "-J" after 2 relay outputs model, and "-M" after 1 analog output model.



FEATURES



High precision



High protection level



Extensible functions

APPLICATION



Intelligent equipment



Intelligent Building

Industrial and
mining enterprises

Public facilities

TECHNICAL PARAMETER

Item	Parameter		
Accuracy	Voltage, current: 0.2%; Power: 0.5%; Frequency: ±0.01Hz; Active energy: 0.5S		
Display data refresh frequency	1 s		
Signal input	Voltage	Rated value	AC100V/380V
		Overload	Continuous: 1.2Un, instantaneous: 2Un/1min
		Energy consumption	≤0.1VA
	Current	Rated value	1A/5A
		Overload	Continuous: 1.2In, instantaneous: 10In/1s
		Energy consumption	≤0.2VA
	Frequency	45~65Hz	
Communication	RS485 interface	Modbus-RTU protocol, baud rate up to 9600bps	
Energy pulse	Optocoupler isolation, pulse width 80ms±20%		
Digital input	Optocoupler isolation, passive dry contact		
Relay output	Contact capacity AC250V 5A or DC 30V 5A		
Auxiliary power supply	Working range		AC/DC 80 ~ 270V
	Energy consumption		≤5VA
Environment condition	Working temperature		-10℃ ~ 55℃
	Storage temperature		-25℃ ~ 70℃
	Relative humidity		≤93%RH
	Altitude		≤2000m
Safety	Insulation		Signal, power supply, output terminals to case resistance≥100MΩ
	Withstand voltage		Power supply, input and output≥2kV
Protection level	IP54		