TECHNICAL SPECIFICATION

Accuracy		0.5% (default), 0.2%
Data Update Rate		1s
Input	Current	Rated value: DC 4～20mA,1A,5A,10A,75mV(External diverter or hall sensor)
	Voltage	Rated value: DC 75mV,1～5V,110V,220V,1000V etc
	Overload	Continuous: 1.2 times of rated value
	Frequency	45~65Hz
Safe Power Supply	Range	AC 80～270V 50/60Hz, DC 80～270V, DC 24V
	Consumption	≤5VA
Digital Input		2 dry contact inputs, Isolation: 2kVAC
Relay Output		2 relay outputs, contact rated at AC 5A/250V or DC 5A/30V, Isolation: 2kVAC
Analog Output		DC 4~20mA, load≤350Ω DC 0~5V, load≥20kΩ
Communication Port		RS485, Modbus-RTU, 2-wire, up to 9600bps
Degree of Protection		Front: IP64, Rear: IP20
Operating Temperature		-40℃~70℃(LED), -25℃~70℃(LCD)
Storage Temperature		-45℃~85℃(LED), -30℃~80℃(LCD)
Relative Humidity		≤93%RH
Insulation		≥2kVAC
Altitude		≤2500m

LNF31/33/32/36/26

This series of digital display AC electrical measurement meters are applied for voltage and current measurement in power distribution system. They support programmable transformation ratio and can be equipped with communication interface. They are featured with good appearance and compact structure.

LCD

Ultra-thin Design
Bracket Free Installation
LCD Display
High-level Protection

FUNCTION

Measuring Accuracy

-Voltage: 0.5%
-Current: 0.5%
-Overload: 1.2Un, 2In

Communication

-Interface: RS485
-Protocol: Modbus-RTU

APPLICATIONS

Intelligent Device

Smart Building

INC
Industrial and Mining Enterprise

Public Facilities

MODEL SELECTION

	LNF31	LNF33	LNF32	LNF36	LNF26
Dimension(mm)	72×72×44.5	72×72×44.5	96×96×34	96×96×34	96×96×34
Real-time measurement	Single-phase current	Three-phase current	Single-phase current	Three-phase current	Three-phase voltage
LCD display	■	■	■	■	■
RS485	□	□	□	□	□

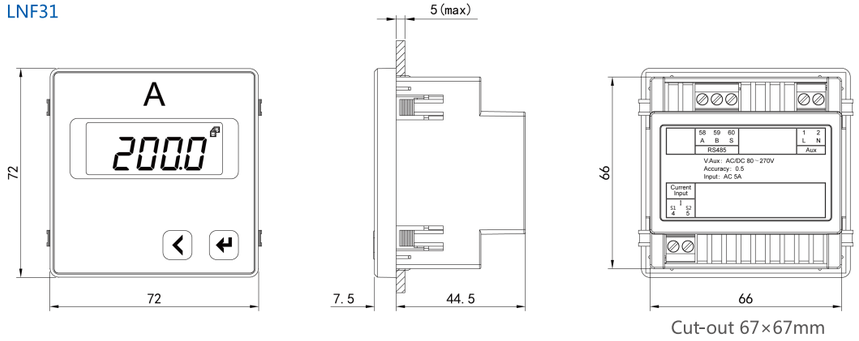
Note: "■" Yes, "□" Optional

TECHNICAL PARAMETER

Item			Parameter
Accuracy			0.5%
Display Data Update Time			1s
Signal Input	Voltage	Rated value	AC100V/380V
		Overload	Continuous: 1.2Vn, instantaneous: 2Vn/1min
		Energy consumption	≤0.1VA
	Current	Rated value	1A/5A
		Overload	Continuous: 2In, instantaneous: 10In/5s
		Energy consumption	≤0.2VA
	Frequency		45～65Hz
Communication	RS485 interface		Modbus-RTU protocol, baud rate up to 9600bps
Power Supply	Working range		AC/DC 80～270V
	Energy consumption		≤3VA
Environment Condition	Working temperature		-10°C～55°C
	Storage temperature		-25°C～70°C
	Relative humidity		≤93%RH
	Altitude		≤2500m
Safety	Insulation		Signal, power supply, output terminals to case resistance≥100MΩ
	Withstand voltage		Power supply, input and output≥2kV
Protection Level			IP54

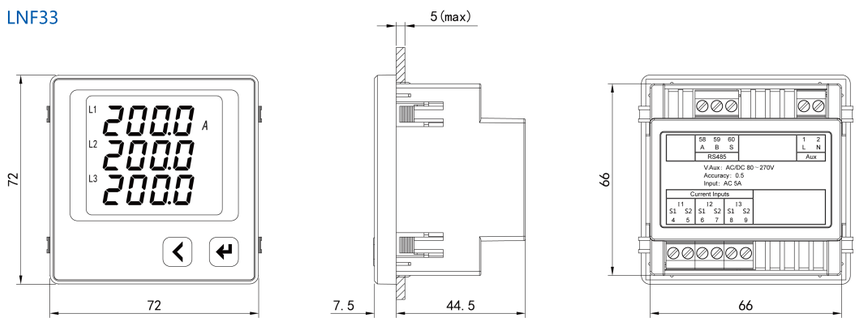
DIMENSION

LNF31



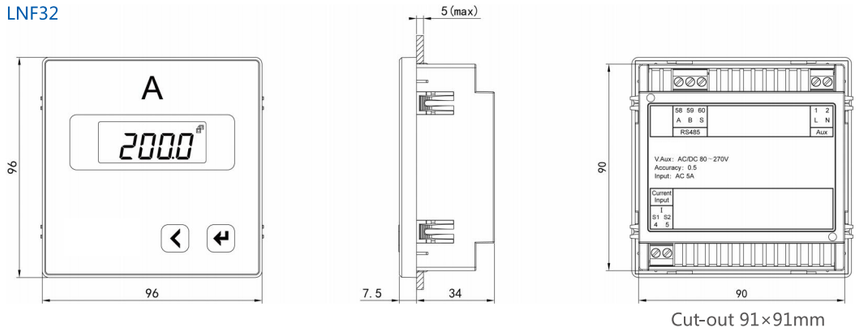
Cut-out 67×67mm

LNF33



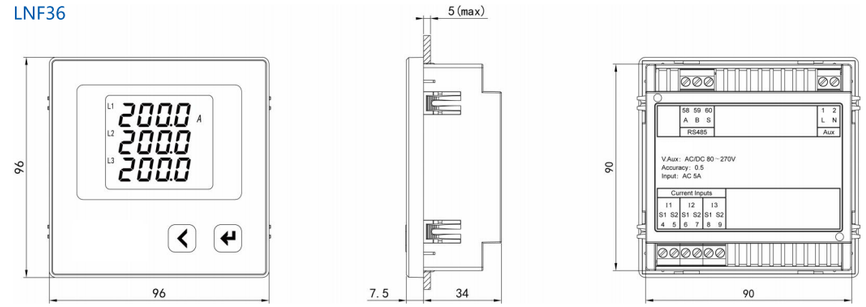
Cut-out 67×67mm

LNF32



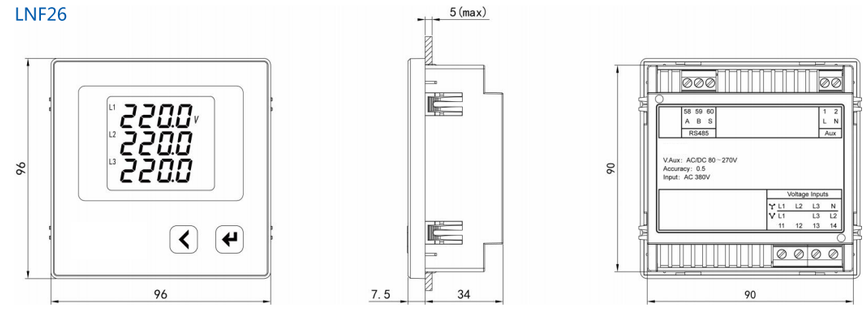
Cut-out 91×91mm

LNF36



Cut-out 91×91mm

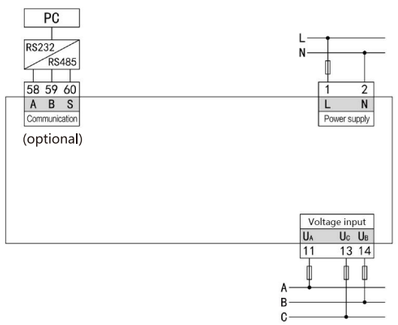
LNF26



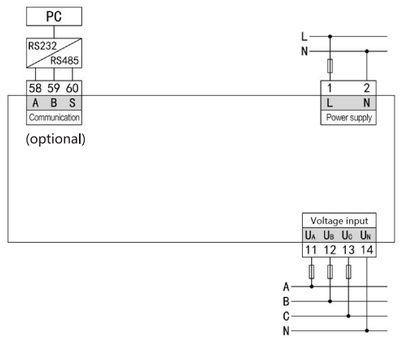
Cut-out 91×91mm

TYPICAL WIRING

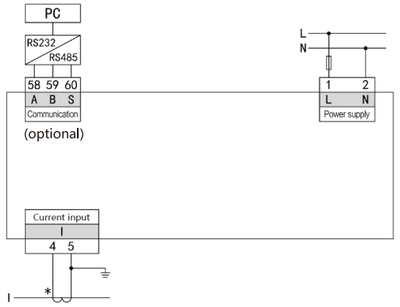
LNF26 (3P3W)



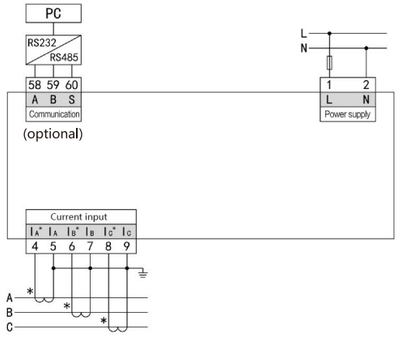
LNF26 (3P4W)



LNF31/32



LNF33/36



ORDER SAMPLE

Three-phase voltmeter, with communication

Model	LNF26-C
Power supply	AC/DC 80～270V
Input signal	10kV/100V
Wiring mode	Three phase three wire

Three-phase ammeter, with communication

Model	LNF36-C
Power supply	AC/DC 80～270V
Input signal	300A/5A

LNF22E/26E/32E/36E

This series of meters have programmable transformation ratio. They can be expanded with functions of digital input, relay output, analog output and communication supporting Modbus RTU protocol; They provide various installation dimensions to facilitate the directly replacing of analog pointer voltmeter; They can be widely used in different control systems, power transformation and distribution automation, industrial automation and intelligent buildings.

LED

Ultra-thin Design
Bracket Free Installation
LED Display
High-level Protection

FUNCTION

Accuracy

-Energy: 0.5%
-Voltage: 0.2%
-Current: 0.2%

Communication

-Interface: RS485
-Protocol: Modbus-RTU

APPLICATIONS

- Control System
- Smart Building
- Power Transformation and Distribution Automation
- Industrial Automation