



GY500

Series Power Meter



Model Selection

GY

500

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Analogue Output Symbol: D-----Omitted-Means without Analogue Output,
D-means 1channel, 2D means 2 channels analogue output

Switching Output Symbol: O-----Omitted Means without Switching Output , O means 1 loop Switching output,
2O means 2 loops Switching output

Switching Input Symbol: I-----Omitted-Means without Switching Input , I- means 1 loop Switching input
2I means 2 loops Switching input

Display: 4 means Three Phase LED screen 4Y means Three Phase LCD screen

Function Code
E-All Basic Electrical Parameter Measurement EF-All Basic Electrical Parameter Measurement+Multi-Fate Measurement
EH -All Basic Electrical Parameter Measurement+Harmonic Measurement
EHF-All Basic Electrical Parameter Measurement+Multi-Fate Measurement +Harmonic Measurement

Panel Size Code

Size Code	Corresponded Model of Analogue Meter	Panel Size(mm)	Hole Size(mm)
8	Mini Square	48x48	45x45
5	5	96x48	92x45
6	61 Square	72x72	67x67
7	6 Square	80x80	76x76
3	9 Square	96x96	91x91

Series No.

Firm Code

EXAMPLE: Three Phase LCD Multimeter with Harmonic,Multi-Fate,2 Switching Input, 1 Switching Output and also 1 Analogue Output

Model No.: CN500-3EHF4Y-2I-O-D

- GY : The firm code
- 300 : The series number of this new item
- 3 : The panel size code,it means the panel size is 96x96mm
- EHF : The measurement function includes 3A,3V,HZ,W,Var,Cosφ,Kwh,Kvarh,Multi-Fate, and also Harmonic function
- 4Y : The display is three phase LCD screen
- 2I : 2 Loops Switching Input(if it's 4I,it means 4 Loops)
- O : 1 Loop Switching Output(relay output,if it's 2O,it means 2 loops)
- D : 1 Loop Analogue Output (such as 0-10Vdc,0-20mA,4-20mA etc.)



Three Phase LED Multimeter

Three Phase LCD Multimeter

Model Meaning

GY 500 - □ □ □ - □ □ □

— Analog Output Symbol: D , Omitted-Means without Analog Output,
nD-n means 1channel、2channels...analog output)

— Switching Output Symbol: O , Omitted-Means without Switching Output , nO-n means 1 loop、 2 loops...Switching output)

— Switching Input Symbol: I , Omitted-Means without Switching Input , nI-n means 1 loop、 2 loops...Switching input)

— Display: 4 means LED screen 4Y means LCD screen

— Function Code

E-All Basic Electrical Parameter Measurement EF-All Basic Electrical Parameter Measurement+Multi-Fate Measurement

EH -All Basic Electrical Parameter Measurement+Harmonic Measurement

EHF-All Basic Electrical Parameter Measurement+Multi-Fate Measurement +Harmonic Measurement

— Outline Size

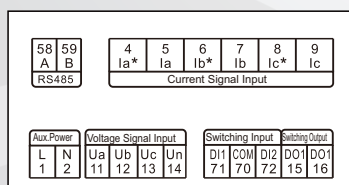
Code	Corresponded Model of Analog Meter	Panel Size(mm)	Hole Size(mm)
6	61 square	72x72	67x67
7	6 square	80x80	76x76
3	9 square	96x96	91x91

— Series No.

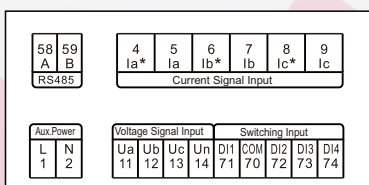
— Firm Code

Terminal Layout

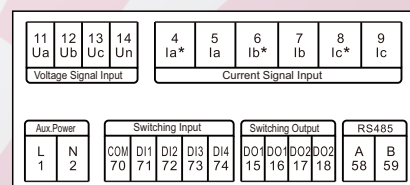
72x72/80x80



72x72/80x80



96x96



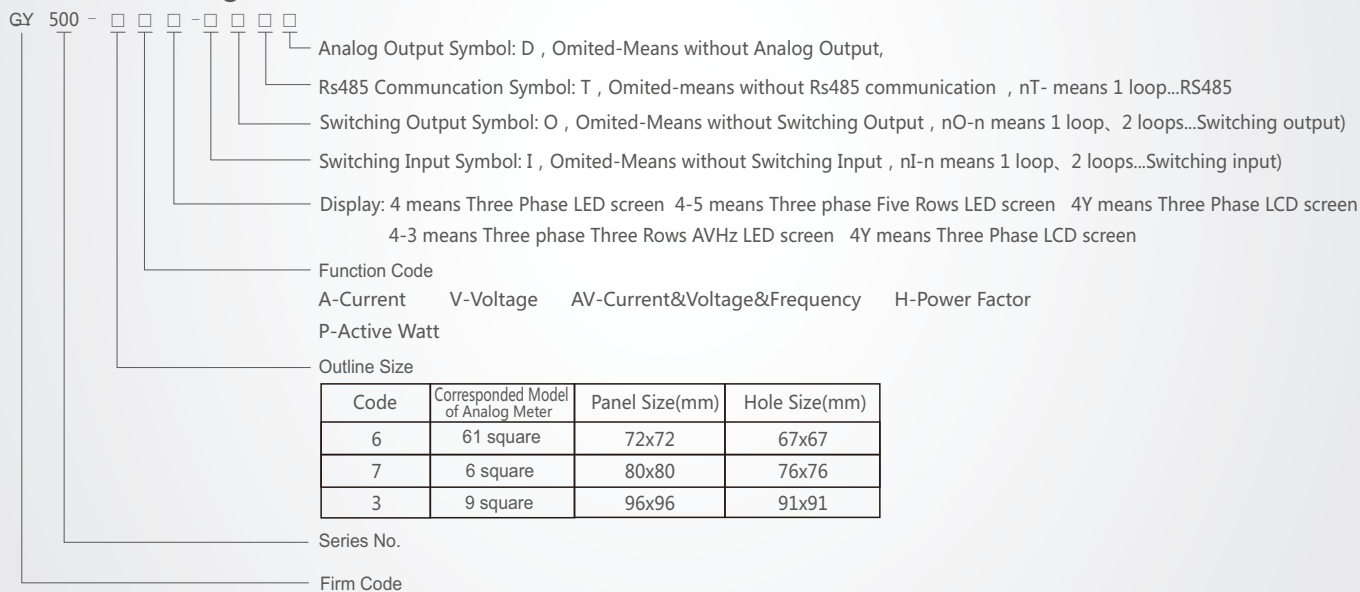


Three Phase LED Voltmeter

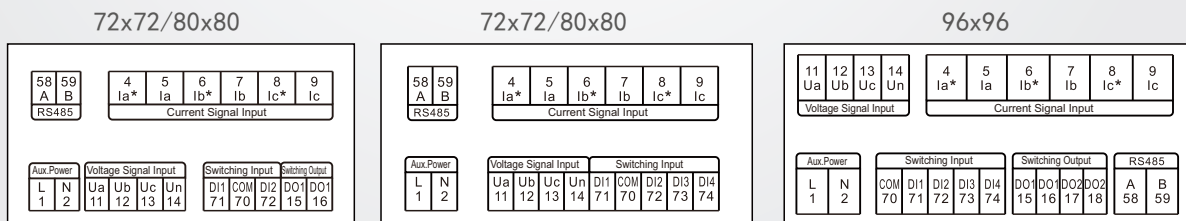
Three Phase LCD Ammeter

Three Phase LED A&V&Hz Combined Meter

Model Meaning



Terminal Layout

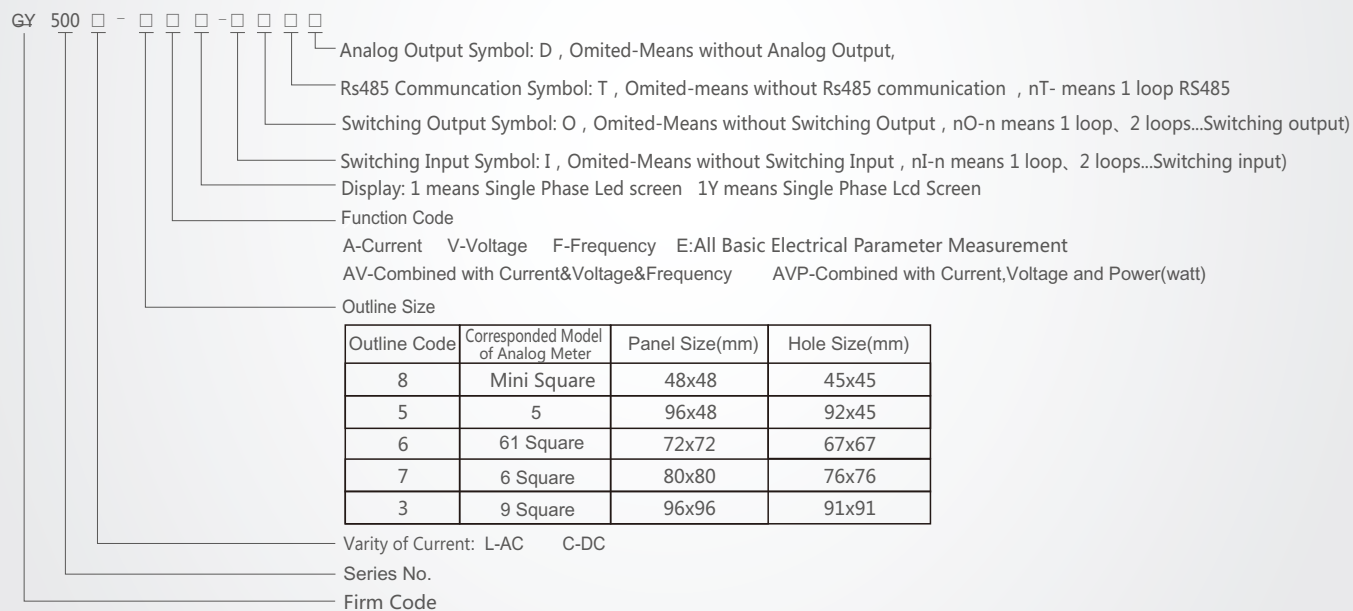




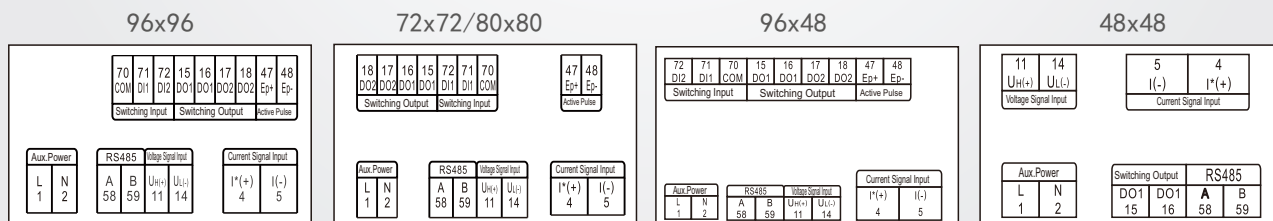
Single Phase LCD Multimeter

Single Phase LED Ammeter

Model Meaning



Terminal Layout



Technical Parameters

Measurement Accuracy

- Voltage:0.5 Class ● Current:0.5 Class ● Active Power(Watt):1.0 Class
 - Reactive Power(var):1.0 Class ● Power Factor:1.0 Class ● Frequency:±0.2Hz
 - Active Energy(kwh):1.0 Class ● Reactive Energy(kvarh):2.0 Class
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Signal Input

- Wiring Mode:3 Phase 4 Wires/3 Phase 3 Wires ● Related Current:AC1A/AC5A
 - Related Voltage:AC57.7V,AC100V,AC220V,AC380V
 - Overload Capability
Voltage:1.2 times(continuous),2 times/1 second(instantaneous)
Current:1.2 times(continuous),10 times/5 seconds(instantaneous)
 - Power Consumption
Voltage:<1VA/Phase Current:<0.4VA/Phase
 - Impedance ● Frequency:45-65Hz
Voltage:>400kΩ Current: < 20mΩ
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Auxiliary Power Supply

- Working Range:AC220V(standard) or AC85V~265V/DC100V-300V(customized)
 - Power Consumption:<4VA
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Optional Extended Function

- Communication Port:1 Loop Rs485 ,Modbus-RTU Protocol
Baud Rate:1200~38400bps,the factory default is 9600bps
 - Switching Input:Passive dry contact
 - Switching Output Capacity:AC250V/5A,DC30V/5A
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Environment

- Working Temperature:-10℃~+55℃ ● Storage Temperature:-25℃~+70℃
 - Relative Humidity:≤93%,place without corrosive gas ● Altitude:≤2500m
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Safety

- Insulation Resistance:>100MΩ ● AC Withstand Voltage: AC 2kV
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EMC Performance

- Electrostatic Discharge:4 Class ● Electrical Fast Transient/Burst:4 Class
 - Surge:4 Class
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