GY500
Series Power Meter

Model Selection

GY 500 - □ □ □ - □ □ □

Analog Output Symbol: D-----Omited-Means without Analog Output,
D-means 1channel、2D means 2 channels analog output

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

Switching Input Symbol: I-----Omited-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 Analog 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 Analog 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 Swithing Output(relay output,if it's 2O,it means 2 loops)
- D : 1 Loop Analog 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 , Omited-Means without Analog Output,
nD-n means 1channel、2channels...analog output)

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

Switching Input Symbol: I , Omited-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

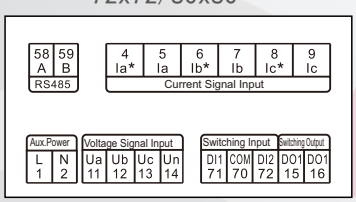
Code	Corresponded Model of Analog Meter	Panel Size(mm)	Hole Size(mm)
6	61 square	72x72	67x67
7	6 square	80x80	76x76
3	9 square	96x96	91x91

Series No.

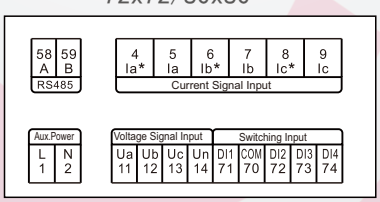
Firm Code

Terminal Layout

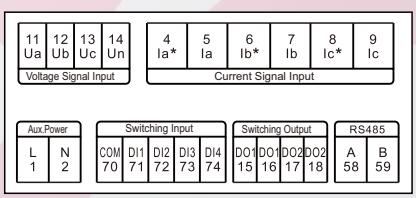
72x72/80x80



72x72/80x80



96x96



Three Phase LED Voltmeter　　Three Phase LCD Ammeter　　Three Phase LED A&V&Hz Combined Meter

Model Meaning

GY 500 - □ □ □ - □ □ □ □

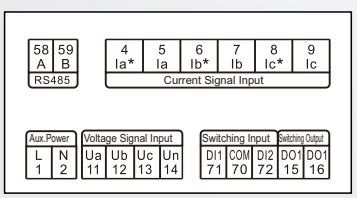
- Analog Output Symbol: D , Omited-Means without Analog Output,
- Rs485 Communcation Symbol: T , Omited-means without Rs485 communication , nT- means 1 loop...RS485
- Switching Output Symbol: O , Omited-Means without Switching Output , nO-n means 1 loop、2 loops...Switching output)
- Switching Input Symbol: I , Omited-Means without Switching Input , nI-n means 1 loop、2 loops...Switching input)
- Display: 4 means Three Phase LED screen 4-5 means Three phase Five Rows LED screen 4Y means Three Phase LCD screen
  4-3 means Three phase Three Rows AVHz LED screen 4Y means Three Phase LCD screen
- Function Code
  A-Current V-Voltage AV-Current&Voltage&Frequency H-Power Factor
  P-Active Watt
- 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

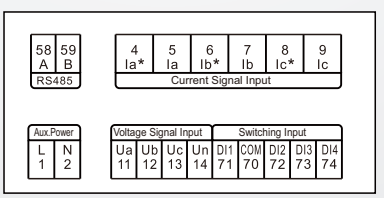
- Series No.
- Firm Code

Terminal Layout

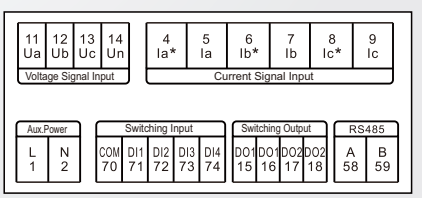
72x72/80x80



72x72/80x80



96x96



Single Phase LCD Multimeter Single Phase LED Ammeter

Model Meaning

GY 500 □ - □ □ □ -□ □ □ □

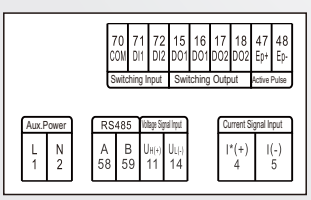
- Analog Output Symbol: D , Omited-Means without Analog Output,
- Rs485 Communcation Symbol: T , Omited-means without Rs485 communication , nT- means 1 loop RS485
- Switching Output Symbol: O , Omited-Means without Switching Output , nO-n means 1 loop、2 loops...Switching output)
- Switching Input Symbol: I , Omited-Means without Switching Input , nI-n means 1 loop、2 loops...Switching input)
- Display: 1 means Single Phase Led screen 1Y means Single Phase Lcd Screen
- Function Code
  A-Current V-Voltage F-Frequency E:All Basic Electrical Parameter Measurement
  AV-Combined with Current&Voltage&Frequency AVP-Combined with Current,Voltage and Power(watt)
- Outline Size

Outline Code	Corresponded Model of Analog 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

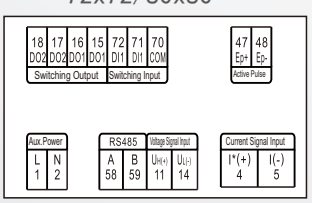
- Varity of Current: L-AC C-DC
- Series No.
- Firm Code

Terminal Layout

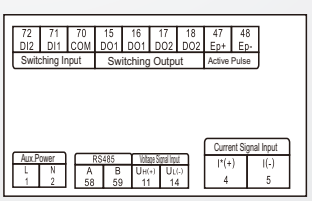
96x96



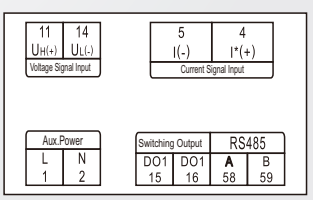
72x72/80x80



96x48



48x48



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

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
  Voltage:＞400kΩ Current: < 20mΩ
- Frequency:45-65Hz

Auxiliary Power Supply

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

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

Environment

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

Safety

- Insulation Resistance:>100MΩ
- AC Withstand Voltage: AC 2KV

EMC Performance

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