

# GV57 MK2 Configuration and installation

## instructions\_Ver 1.0

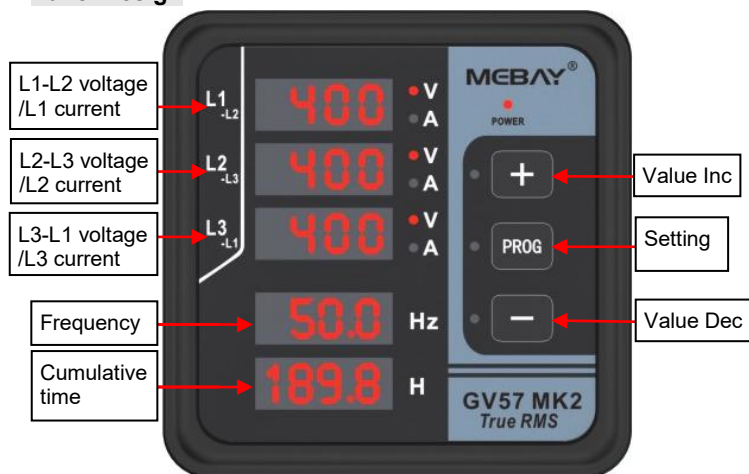
### Brief Introduction

There are 2 Models under GV57 MK2 series.

**GV57 MK2:** GV57 MK2 is a multifunctional monitoring instrument for three-phase AC line voltage, current, frequency and cumulative time.

**GV57R MK2:** An RS485 interface is added on the basis of GV57 MK2, which supports the MODBUS communication protocol. RS485 communication can read and display  $\cos \Phi$ , KW, KVAR, KVA, current power KWH, cumulative power KWH and other functions.

### Panel Design



### Panel display

- ◆ L1-L2 line voltage; L1 phase current;
- ◆ L2-L3 line voltage; L2 phase current;
- ◆ L3-L1 line voltage; L3 phase current;
- ◆ Frequency;
- ◆ Cumulative time;

### RS485 communication display

- ◆ Phase voltage; line voltage; phase current; frequency
- ◆ Average  $\cos \Phi$ ;  $\cos \Phi$ ;
- ◆ KW; KVAR; KVA;
- ◆ Current KWH; cumulative KWH;
- ◆ The running time; Cumulative time;

### Parameters Settings

Press "PROG" for 3 seconds, then the module comes into the parameters setting page. Press "+", "-", then the relative parameters can be checked. If you need to change the parameter, then press "PROG" the last unit of LED will flash. You can adjust the parameter through "+" "-" (if you press "+" "-" without loosening, the parameters will be increased or decreased continuously). Press "PROG" to confirm the parameter you changed, then the unit stops flashing. Please do the same operation till all the parameters

you need is adjusted. Press "PROG" for 3 seconds again, the module will save the data and exist from the system. if there is no any operation after the parameters are changed in 30 seconds, then the data shall be saved and exist from system.

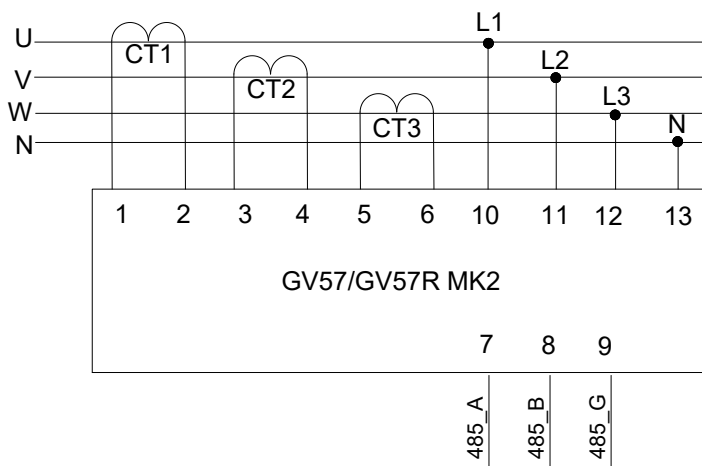
Code	Parameter	Range(defaults)	Notes
P00	CT RATIO	5~6000A/5A <b>(500A/5A)</b>	CT primary setting, the secondary is 5A.
P01	RS485 baud rate	0-4800 <b>1-9600</b> 2-19200	RS485 communication baud rate.
P02	RS485 ID	1-255( <b>16</b> )	RS485 ID setting, only for GV57R MK2.

### Specification

- ◆ Power Voltage: AC165-265V;
- ◆ Consumption Power: MAX 2W;
- ◆ Voltage Range: L-N:AC165-260V; L-L:AC285-450V;
- ◆ Voltage Accuracy: deviation  $\cong \pm 1\%$  (within the range) ;
- ◆ Current Accuracy: deviation  $\cong \pm 2\%$  (Range 0-6000A)
- ◆ Frequency Accuracy: deviation  $\cong \pm 0.5\%$  (Range 45-70HZ);
- ◆ Accumulated Time: 0-9999 Hours;
- ◆ Accumulated min time: 0.1 hours;
- ◆ Operation Temperature: -20~65°C;
- ◆ Storage Temperature: -40~85°C;
- ◆ Ingress Protection: IP54(The front face after installation);
- ◆ Size: 100mm\*100mm\*77mm
- ◆ Installation size: 91mm\*91mm
- ◆ Weight:150 g

### Typical diagram

CTs MUST BE 5 AMP SECONDARY



**WARNING:** When there is load current, C. T. secondary must not be open circuit, Otherwise, the high voltage generated will pose a danger to personal safety.