Ruitai Industry Co.,Ltd

GV 50 Multi function meter

◆ **Brief introduction**

GV50 is a light and low price-orientated module used for checking and demonstrating Voltage, Current,Frequency of generator. This module can replace old meters, for it can be one with multi-functions. the users can adjust and set the parameters by the button on the front face in order to meet the different requests. Besides, it uses the European-style terminals for connection which is more convenient for installation and detachment.

◆ **Main features**

➤ Voltage, Current and frequency can be checked and demonstrated in the mean time;

➤ High-light digital tube can demonstrate the parameters

➤ Chinese,English and coding demonstration

➤ The parameters can be set and adjusted by the button on the front face

➤ The option of over-speed alarm and its demonstration function is available

◆ **Parameters adjustment and settings**

Press ⬆, loose it when "PO" is displayed from L1, which shows the module is in the status of settings and display the first option. PO's digital position is flashed, press ⬆ or ⬇ to choose the option needed, then press ⬇ continuously till it is in the status of modifying; the data from L2 begins flashed, press ⬆ or ⬇ to modify the parameters in current option; press ⬇ to get back to the last menu after modifying.

At last, press ⬆ till "8888" is displayed from L3, save the

changed

parameter and exit from the mode.

It is active once modified.

◆ **Operation manual**

Manual recycling of parameters :

Press ⬆ or ⬇ to choose the option you want to check.

In this mode,if the users don't press any button for a long time,the mode will come into auto mode.

Auto self-recycling of parameters:

The module will display the parameters automatically at preset time.

Running mode:

The module will check each parameter once genset is started when the alarming is set but it will not alarm.It will alarm after safety time with the faulty。The generator set should be started again in order to clear alarm with the premise that the faulty has been dealt with, or it will alarm again.

Note:

The alarm shall occur if parameter is changed after generator set is started.

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◆ **Parameter-setting code list**

Code	Option	Range(default)
P0	Alarming output	**0 – Not used**
		1 – output all the time
		2 – interval of 10s
P1	Recycling time	1 – 30s(**5s**)
P2	Low frequency limit	0 – 60Hz(**40Hz**)
P3	Over frequency limit	50 – 75Hz(**57Hz**)
P4	Safety time	0 – 360s(**25s**)
P5	Over current protection	0 – 5000A/(**100A**)
P6	Transformer variable ratio	50–2000A/5A(**500A/5A**)
P7	Phase voltage undervoltage	50 – 220V(**176V**)
P8	Phase voltage overvoltage	110 – 300V(**264V**)

◆ **Alarm indicator**

U--H	Over voltage
U--L	Low voltage
A--H	Over current
F--H	Over frequency
F--L	Low frequency
L1	First phase
L2	Second phase
L3	Third phase
ERRO	alarming

◆ **Specification**

Input power
  DC 8～36 V
Alarming output
  Output with powe,maximum DC1A
Operation temperature range:
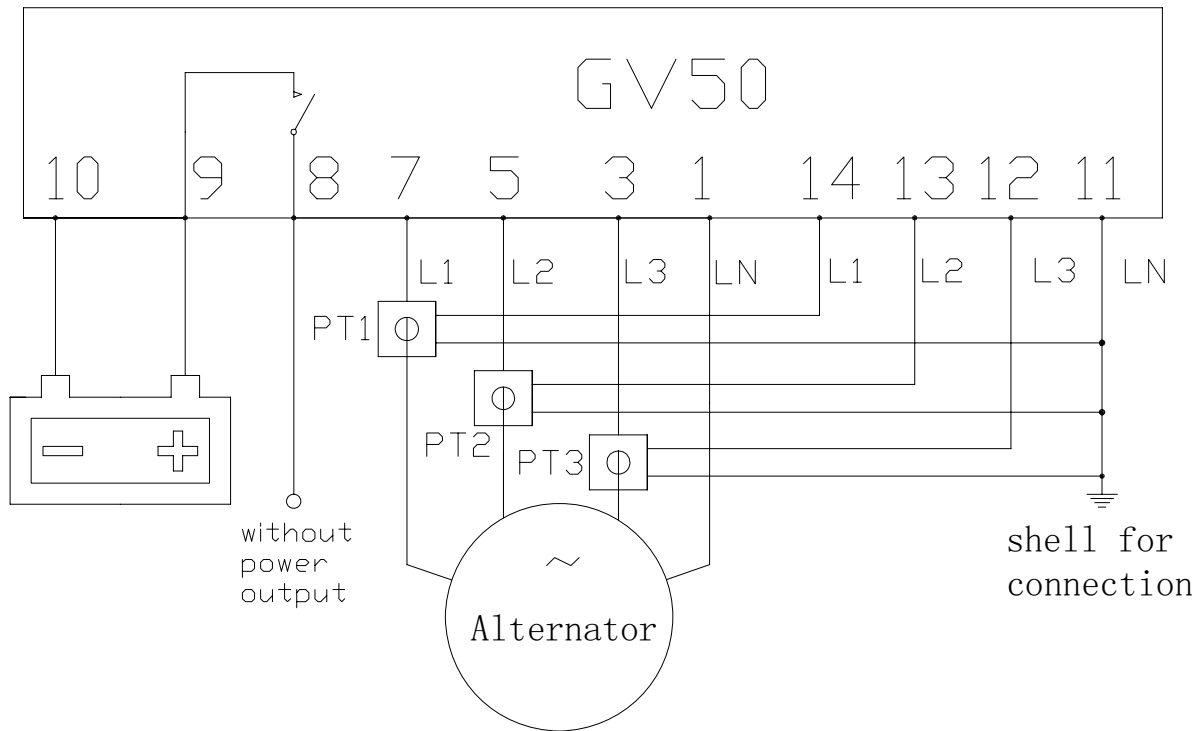 -20℃ ～ 75℃
Size(W * H * D)
  118mm * 72mm * 72mm
Installation Size(W * H):
  67mm * 67mm

◆ **Typical diagram**

Note: No.10 should connect with negative of battery, No2,4,6 are with no usage.