

# Hall voltage sensor

## Model: HVS301GB

Sub-plate installation, closed loop current type;  
Crimping terminal input/output; Current limiting  
resistance and sampling resistance built-in, input and  
output voltage directly. Detect DC,AC and pulse voltage.

### Technical Index:

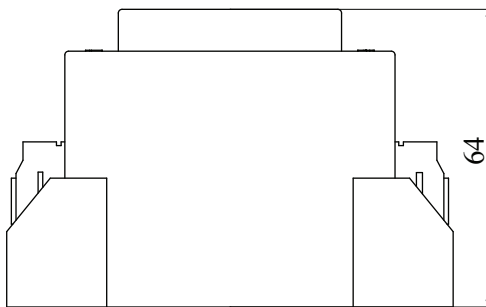
- Flame resistance: UL94-V0
- Working temperature: -10~+70℃
- Storage temperature: -25~+70℃
- Dielectric strength: 3.5KV 50Hz 1min



### Electrical parameters:

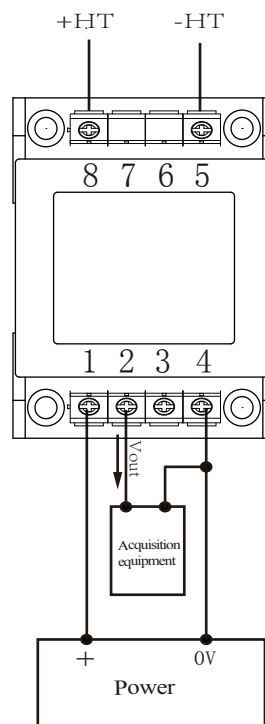
|                                   |                 |            |          |
|-----------------------------------|-----------------|------------|----------|
| $V_{PN}$ Rated input              | $\pm 1000$      | $\pm 2000$ | V        |
| $V_{PM}$ Input measured range     | $\pm 1500$      | $\pm 3000$ | V        |
| $V_{OUT}$ Rated output            | $2.5 \pm 0.625$ |            | V        |
| X Accuracy                        | 1               |            | %        |
| $\epsilon_L$ Linearity            | 0.2             |            | %        |
| $V_C$ Supply voltage( $\pm 5\%$ ) | +5              |            | V        |
| $I_C$ Current consumption         | $\leq 20$       |            | mA+Is    |
| $R_L$ Load impedance              | $\geq 10K$      |            | $\Omega$ |
| $V_{OE}$ Zero offset TA=25℃       | $\leq \pm 30$   |            | mV       |
| $T_R$ Response time               | 40~200          |            | $\mu s$  |
| N.W Weight                        | 514             |            | g        |

### Dimensions ( in mm ) :



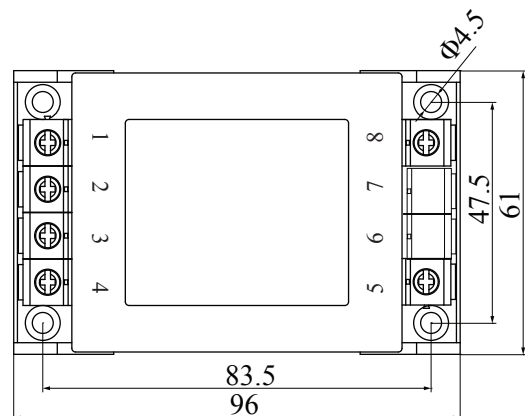
Front view

### Connection diagram:



### Terminal definition:

- 1: +V
- 2: Vout
- 3: Vref
- 4: 0V
- 5: -HT
- 8: +HT
- 6: Air terminal
- 7: Air terminal



Top View