

# Hall voltage sensor



## Model: HV301GB

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℃

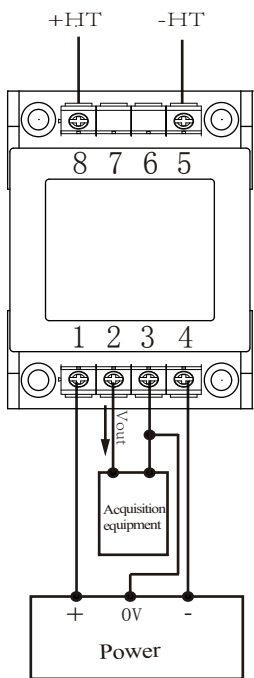
Dielectric strength: 3.5KV 50Hz 1min



### 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                | $\pm 5$           | $\pm 5$    | V        |
| X            | Accuracy                    | 1                 |            | %        |
| $\epsilon_L$ | Linearity                   | 0.2               |            | %        |
| $V_c$        | Supply voltage( $\pm 5\%$ ) | $\pm 12 / \pm 15$ |            | V        |
| $I_c$        | Current consumption         | $\leq \pm 15$     |            | 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        |

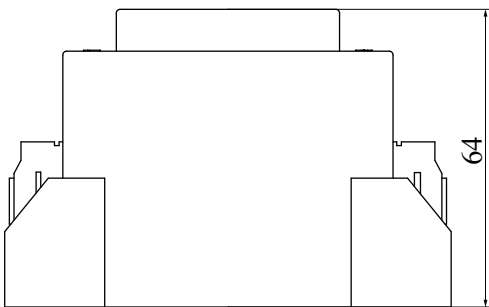
### Connection diagram:



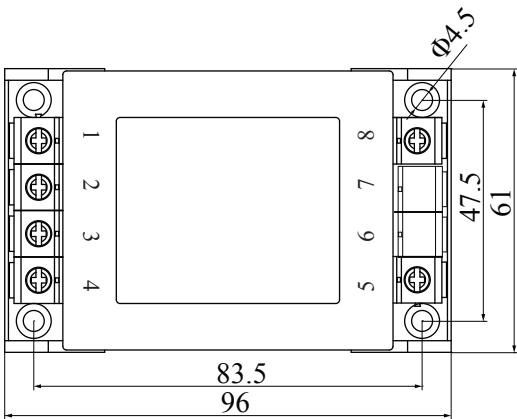
### Terminal definition:

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

### Dimensions ( in mm ) :



Front view



Top View