Hall voltage sensor

Model: MTVA302

Terminal output,sub-plate indtallation; Wrong connection will make the sensor bad, When measuring DC voltage, pay attention to + HT-HT wiring, which has a linear relation with the primary detection voltage. The output signal can be directly entered into the automatic control equipment or PLC port.

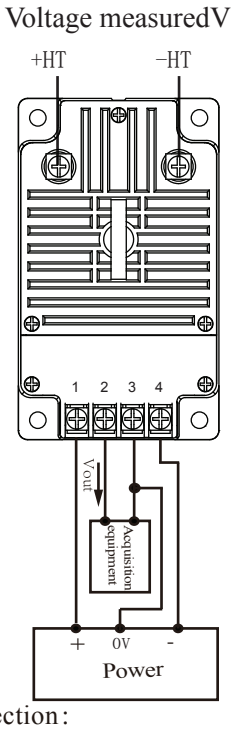
Technical Index:

Flame resistance: UL94-V0
Working temperature: -10℃～+70℃
Storage temperature: -25℃～+70℃
Dielectric strength: 6KV 50Hz 1min

Electrical parameters:

V_{PN}	Rated input	±100	±300	±500	±800	±1000	V
V_{PM}	Input measured range	±150	±450	±750	±1200	±1500	V
V_{OUT}	Rated output	±5					V
X	Accuracy	1					%
ε_L	Linearity	0.5					%
V_C	Supply voltage(±5%)	±12/±15					V
I_C	Current consumption	≤±15					mA+Is
R_L	Load impedance	>10K					Ω
V_{OE}	Zero offset TA=25℃	≤±10					mV
f	Work frequency	DC~300K					Hz
Tr	Response time	1					μs
N.W	Weight	600					g

Connection diagram:

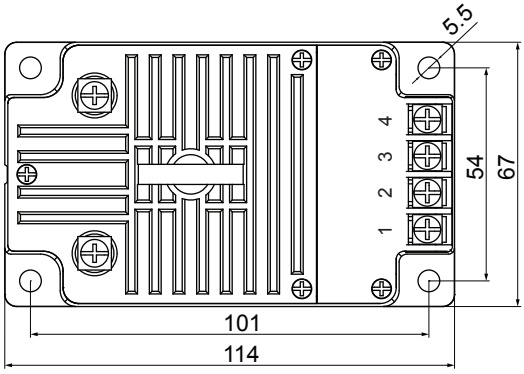


Terminal definition:

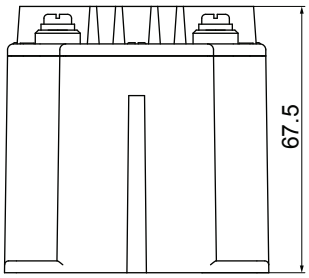
1.+V
2.Vout
3.0V
4.-V

※Detection:
①Choose the auxiliary power supply with small ripple (≤10mV)
②Switch on auxiliary power
③The auxiliary power is connected to the sensor
④The sensor detects the primary current

Dimensions（ in mm）:



Top View



Front view