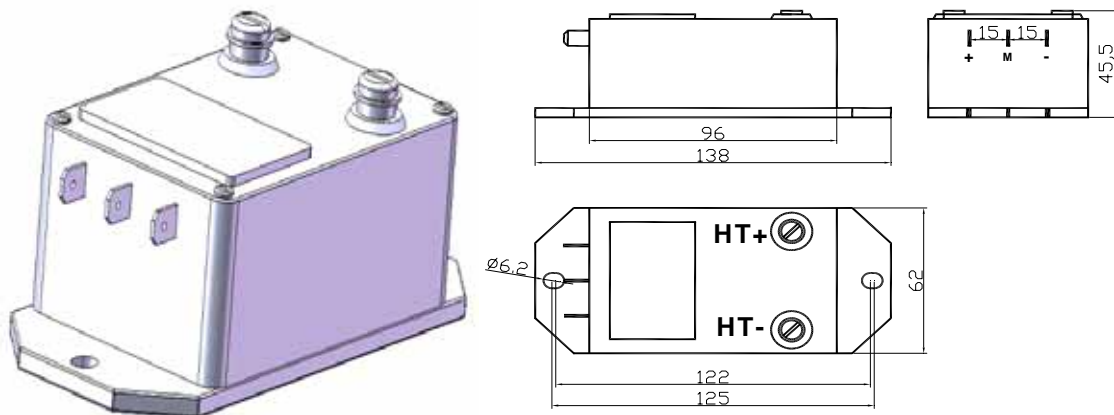




## MS-HVB100 Voltage Transducer

### Product Introduction:

Voltage Transducer is a that, has been measured current non-anamorphic transfer to measurement module of output current in term of linearity proportion, isolation measurement non-insert ullage, high precision degree, high linearity degree, high integration degree, little cubage, simple configuration, tranquilization of long-term work and suit in variety of work environment.



Definition of connection end  
End(+): power supply anode  
End(- ): power supply cathode  
End(M): output of signal anode  
End(HT+): output of signal anode  
End(HT- ): input of signal cathode

### Major Application:

Alternating Current frequency conversion timing、 waiting for electricity machine traction、 Direct Current electricity machine、 measurement of in variety of power supply equipment and control、 electric welding machine.

Measurement for Alternating Current、 Direct Current and Mpulse

Response time quickly

Excellent isolation capability

Excellent linearity degree of full-extent

Strong ability of over loading

Strong ability of anti-jamming

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***Product Description:***

Product type: MS-HVB100

Rating input of primary side: 0...10mA ( 2500V )

Mode of voltage measurement: measurement of terminal style

Rating output of primary side: 0...50mA

Power supply: DC  $\pm$  15V

***Current Reference:***

Current of primary side measurement range: 0...20mA ( 3000V )

Measurement Accuracy: 0.7%

Linearity Accuracy: 0.1%

Response Time:  $t_r=20\ldots100\mu S@90\%$  of  $V_{pMAX}$

Width of narrowband: DC...20KHz

Current Maladjustment:  $I_o \pm 0.25mA @T_A=25$

Temperature excursion:  $I_o \pm 0.020\%$

Ability of cincture record:  $R_L=0\ldots150\Omega$

Compression resistance of work frequency: input/output/crust AC6.0KV ; 1mA /min

Power supply consume:  $I_{out}+15mA$  (power supply DC  $\pm$  15V)

***General Reference:***

Mode of connection: lead connection of plug end

Work temperature: ( 0...+70 )

Work humidity: ( 10-90% ) non-coagulation

Memory temperature: ( -25...+80 )

Material of crust: accord with UL94-V0

Execution standard: EN50178

***Notice Proceeding:***

Lead must be correct connection between power supply, input and output, location or connection can not error, otherwise maybe induce product dilapidation.

Arrowhead direction is current direction of anode, installation of product, use entironment should non-electric atomy and causticity, altitude should under 2500 meters.

Should contact with factory first, before adjustment product potentiometer, please do not optional adjustment by user, exquisite shake or high temperature be likely to induce product dilapidation, also.

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