

HV-AD系列霍尔交流电压变送器

(HV-AD Series Hall-effect AC voltage isolation transducer)

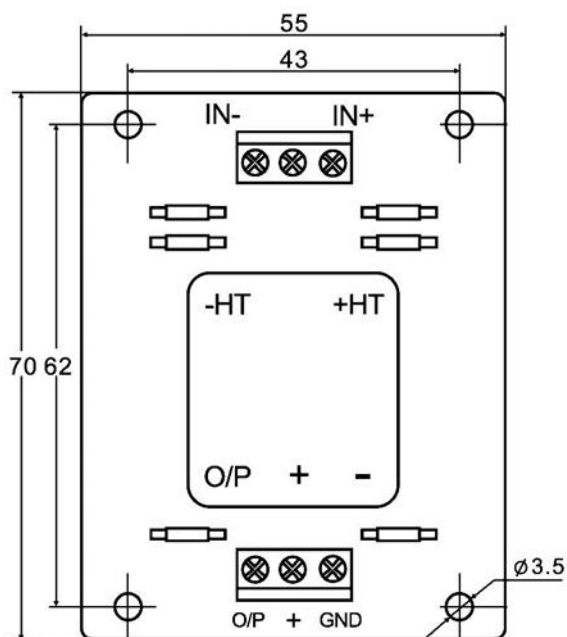
HV-AD 系列霍尔交流电压变送器的初、次级之间是绝缘的，可用于测量交流电压。

(HV-AD Series Hall-effect AC voltage transducer between primary and secondary is insulated, can be used for the measurement of AC voltage)

电气参数 (Electrical characteristics)						
	型号 Type	HV30-AD	HV100-AD	HV300-AD	HV500-AD	
V _{pn}	额定输入电压 (AC) Rated input	30	100	300	500	V
V _{pm}	测量电压范围 (AC) Measuring range	36	120	360	600	V
R _m	测量电阻 Measuring resistance	0~500				Ω
I _{out}	输出电流 Rated output current	4~20 (0~5V 可选)				mA
I _o	零电流失调 Zero offset current	$<4 \pm 0.1$				mA
V _c	供电电压 Supply voltage	$+24 \pm 5\%$				V
I _c	静态功耗 Current consumption	$\leq 30 + I_{out}$				mA
I _{ot}	零点温漂 Thermal drift of I _o	$\leq \pm 0.005$				mA/°C
F	带宽 Frequency bandwidth(-3dB)	20~10000				Hz
ε _G	精度 Accuracy	0.5				%
ε _L	线性度 Linearity	0.1				%
Tr	响应时间 Response time	≤ 200				mS

Vd	绝缘电压 Insulation voltage	2.5	KV
Ta	工作温度 Ambient operating temperature	-40~+85	℃
Ts	储存温度 Ambient storage temperature	-40~+125	℃
M	重量 mass	50	g
	标准 Standards	EN50178\IEC61010-1\UL94-Vo\ROHS	

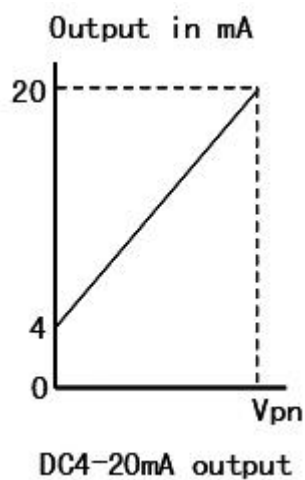
械参数 Dimensions (mm)



端子	接线
+	电源+
GND	公共地 G
O/P	输出+
IN+	输入+
IN-	输入—

端子标准：3. 52mm, 6pin 接线式连接器

线性关系（Linear）



使用说明 Remarks

- 1、当待测电压从变送器输入端接入，即可在输出端测得电流大小。（注意：错误的接线可能导致变送器损坏）

(Access, when the measured voltage from the transducer input current can be measured at the output size. (Note: incorrect wiring may cause transmitter damage))

- 2、变送器的输出幅度可根据用户需要进行适当调节。

(he amplitude of the output of the transmitter can be appropriately adjusted according to user needs.)

- 3、可按用户需求定制不同额定输入和输出的传感器。

(Custom different rated input and the output of the transducer.)