

HBA—YSAT系列真有效值电流变送器

(HBA—YSAT True RMS Current Transducer Series)

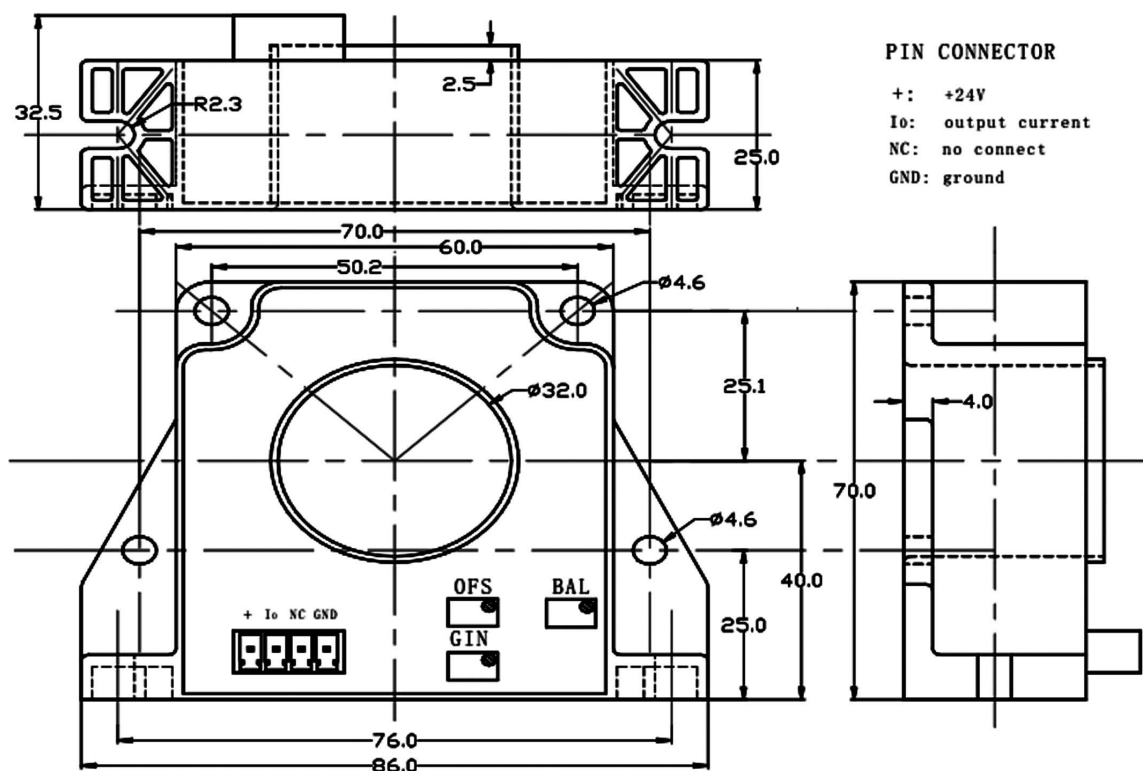
HBA—YSAT 系列真有效值电流变送器的初、次级之间是绝缘的，可用于测量直流、交流、脉冲电流以及任意波形电流，并给出真有效值输出。

(HBA—YSAT TRMS Series Current transducer between primary and secondary is insulated, can be used for the measurement of DC、AC、Pulse and arbitrary waveform current. And gives the true RMS output)

电气参数 (Electrical characteristics)								
	型号 Type	HBA50- YSAT	HBA100- YSAT	HBA200- YSAT	HBA500- YSAT	HBA1000 -YSAT		
I _{pn}	额定输入电流 Rated input	50	100	200	500	1000	A	
I _{pm}	测量电流范围 Measuring range	100	200	400	1000	1500	A	
R _m	测量电阻 Measuring resistance	0~400						Ω
I _{out}	输出电流 Rated output current	4~20						mA
I _o	零电流失调 Zero offset current	<4±0.2						mA
V _c	供电电压 Supply voltage	+24±5%						V
I _c	静态功耗 Current consumption	≤40+I _{out}						mA
I _{ot}	零点温漂 Thermal drift of I _o	≤±0.005						mA/°C
F	带宽 Frequency bandwidth (-3 dB)	DC~6000						Hz
ε G	精度 Accuracy	0.5						%

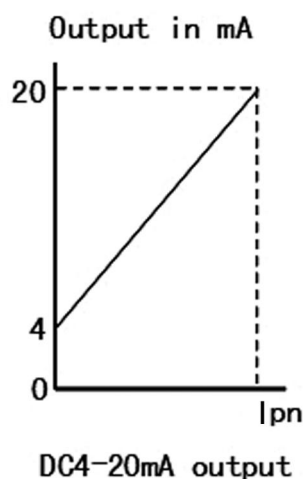
ϵL	线性度 Linearity	0.5	%
Tr	响应时间 Response time	≤ 200	mS
Vd	绝缘电压 Insulation voltage	4.0	KV
Ta	工作温度 Ambient operating temperature	-40~+85	°C
Ts	储存温度 Ambient storage temperature	-40~+125	°C
M	重量 mass	210	g
	标准 Standards	EN50178\IEC61010-1\UL94-Vo\ROHS	

机械参数 Dimensions (mm)



引脚说明: +: 24V+; Io: Iout; NC: 空; G: 公共地
端子标准: 3.52mm, 4pin 接线式连接器

线性关系 (Linear)



使用说明 Remarks

- 1、应用：通讯电源、不间断电源UPS、斩波器、电化学、整流、电源监测、电焊机、变频、开关电源、电池监测、电动机监测等领域。Application: communication power supply, uninterruptible power supply UPS chopper, electrochemical, rectifier, power monitoring, welding machines, inverter, switching power supply, battery monitoring, motor monitoring fields.
- 2、传感器的输出幅度可根据用户需要进行适当调节。The amplitude of the output of the sensor can be appropriately adjusted according to user needs.
- 3、可按用户需求定制不同额定输入电流和输出电压的传感器。Custom different rated input current and the output voltage of the sensor.
- 4、当待测电流从变送器穿过，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）When the current to be measured is across from the transmitter can be measured at the output current size. (Note: incorrect wiring may cause transmitter damage)