



威佳

威佳电气，
每位工程师的专业选择！

UE-5DHR-TI

Product Introduction



使用产品前请仔细阅读本使用说明，并请妥善保管

1 产品概述

Product Description

UE-5DHR 0~10V 系列交流电流变送器是一种利用电磁感应（互感）原理将被测交流电流转换成与原边电流成比例输出的直流电流或直流电压信号的测量模块，原副边之间高度绝缘，具有高精度度、高线性度、高集成度、体积小结构简单、长期工作稳定且适应各种工作环境的特点。广泛地应用在电力、石油、煤矿、化工、铁路、通信、楼宇自控等行业的电气设备的系统控制及检测。

UE-5DHR 0~10V series AC current transmitter is a measurement module that uses the principle of electromagnetic induction (mutual inductance) to convert the measured AC current into DC current or DC voltage signal output in proportion to the primary side current. The primary and secondary sides are highly insulated, with the characteristics of high accuracy, high linearity, high integration, small volume, simple structure, long-term stability and adaptability to various working environments. It is widely used in the system control and detection of electrical equipment in electric power, petroleum, coal mine, chemical industry, railway, communication, building automation and other industries.

- | | |
|------------|--|
| ★ 用于测量交流电流 | ★ For measuring AC current |
| ★ Φ8mm 穿孔 | ★ Φ 8mm perforation |
| ★ 过载能力强 | ★ Strong overload capacity |
| ★ 精确度高 | ★ High accuracy |
| ★ DIN 导轨安装 | ★ DIN rail mounting |
| ★ 原副边高度绝缘 | ★ Primary and secondary side high insulation |

1.1 选型信息 Selection Information

额定测量	额定输出	供电电源
1~5Aac	DC 0~10V	24/12 Vdc



1.2 电气参数 Electrical Parameters

IpN	额定测量电流值 (Arms)	5
IP	对应测量电流范围 (Arms)	120% * IpN
Ioc	过载能力	200%*IpN
Vsn	额定输出电压 (mAdc)	DC 0-10V
Isn	额定输出电流 (mA)	DC 4-20mA, DC 0-20mA etc
X	精度 (Ta =+25°C)	0.5%
EL	线性度误差	0.2%
Vc	电源电压	Pn±5%
Voff/Ioff	失调电压 / 失调电流	20mV (对应于电压输出型) 80uA (对应于电流输出型)
Tr	响应时间	≤ 300mS
f	频率范围	40Hz~2000Hz
Ic	耗电	20mA+Is
RL	输出负载电阻	≥ 5KΩ(电压输出型) ≤ 450Ω(电流输出型)
Vd	工频耐压 (50Hz,1min)	3KV
Ri	绝缘电阻	> 200MΩ@DC500V

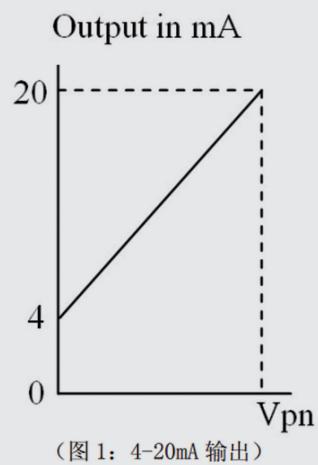
1.3 常规参数 General Parameters

Ta	工作温度	-10 - +70 °C
Ts	贮存温度	-40 - +85 °C
W	重量	200g
St	执行标准	GB/T13850-1998idt IEC688: 1992
Hw	工作湿度	20-95% 无凝露
-	外壳材料	UL94-V0

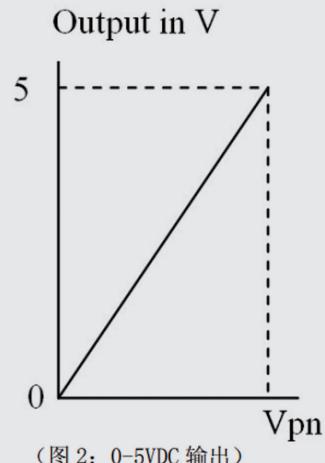


2 输出曲线

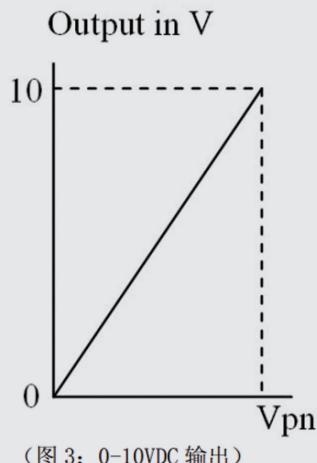
Output Curve



(图 1: 4-20mA 输出)



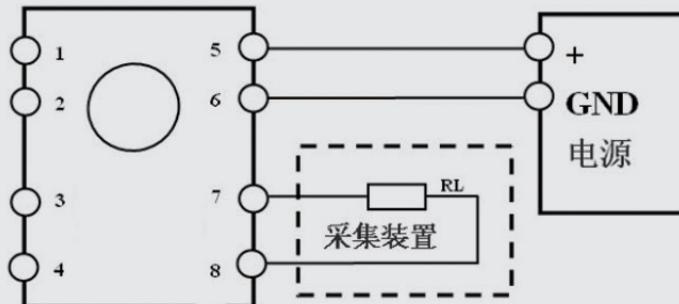
(图 2: 0-5VDC 输出)



(图 3: 0-10VDC 输出)

3 接线图

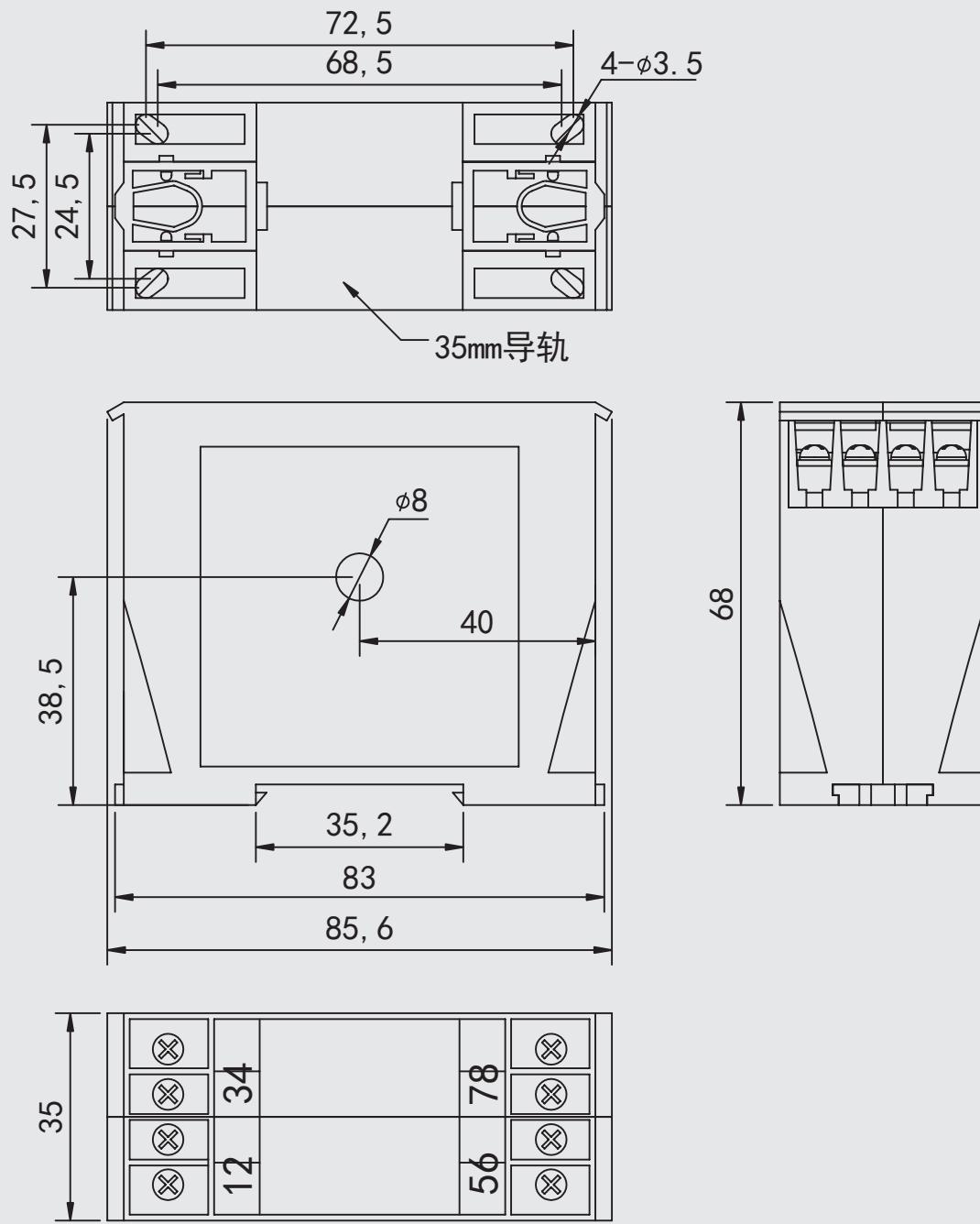
Wiring diagram



端子号	定义	端子号	定义
PIN 1	----	PIN 5	(+) 电源正
PIN 2	----	PIN 6	(0) 电源地
PIN 3	----	PIN 7	(M) 输出信号正
PIN 4	----	PIN 8	(0) 输出信号负

4 结构图

Structure Diagram



UE-5DHR-TI

Product Introduction

Vaule Plus,
Professional Choice for Each Engineer!

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