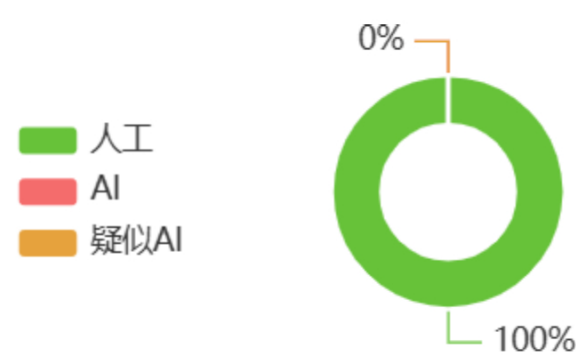


朱雀AI生成检测报告单

检测时间：2025/5/25 20:41:08

检测结果

易被多平台检测为AI占比：0%



AI分布图



片段解析

序号	片段	占全文比例	AIGC值	疑似程度
1	片段1	100.00%	1.07%	<div></div>

检测片段详情

NO. 1 片段1 AIGC值 1.07%

```
/*--> [1.3] Smoke sensor reading */
smoke_adc_value = Get_ADC_Value(ADC_Channel_1, 100);
smoke_vol = (float)smoke adc value * (3.3f / 4096.0f);
```

```

RS = (5.0f - smoke_vol) / smoke_vol * 0.5f;
smoke_ppm = powf(11.5428f * R0 / RS, 0.6549f) * 100.0f;
// printf("Smoke: %.2f PPM\r\n", smoke_ppm);
采用中位值平均滤波算法:
float read_smoke(int channel, int count)
{
    int total = 0;
    int i;
    int data[500];
    float useless = 0;

    ADC_RegularChannelConfig(ADC1, 1, 1, 55);

    for(i = 0; i < 100; i++)
    {
        ADC_SoftwareStartConvCmd(ADC1, 1);
        while(ADC_GetFlagStatus(ADC1, 2) == 0);
        data[i] = ADC_GetConversionValue(ADC1);
        useless += 2.718;
    }

    for(i = 0; i < 100; i++)
    {
        total += data[i];
    }
    total = total / 100;

    smoke = total * (3.3 / 4096);
    ratio = (5.0 - smoke) / smoke * 0.5;
    ppm = pow(11.5428 / ratio, 0.6549) * 100;

    return total;
}.

```