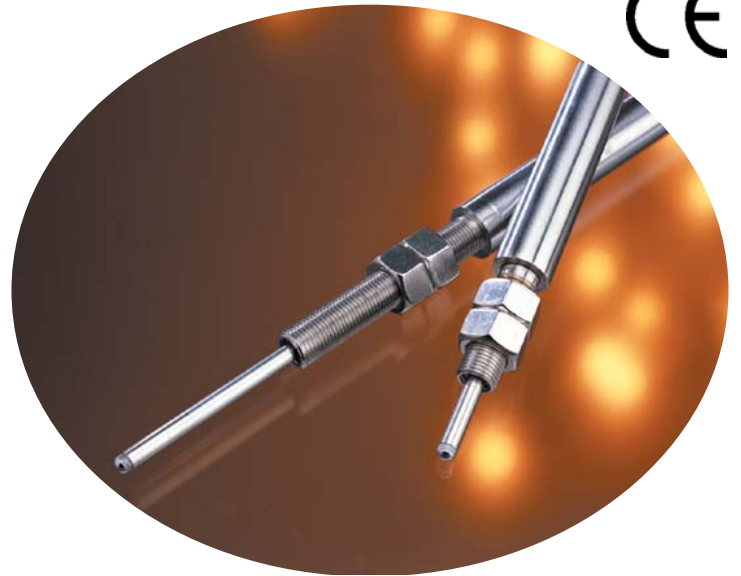


# GCD\_SE系列紧密测量头

弹簧回弹式测量头



- 符合CE标准
- 气密封设计
- 可适用恶劣环境



## 产品说明

GCD-SE系列具有五种单向测量范围，标准量程从0~0.1英寸到0~2.0英寸。GCD-SE借助单端8.5到25.0伏直流电输入工作。具有最小的工作电流，特别适用于便携式测量应用。由于采用气密封，GCD-SE还特别适用于湿式研磨和机加工应用。由于采用内部调制，因此输出可以免受输入电压波动和纹波的影响。内置EMI，ESD和RFI保护，在安装后，可以达到CE标准。结合了新型振荡器设计，工作温度范围较广，输出稳定性无与伦比。采用同步解调，确保具有优越的噪声抑制功能。

## 特点

- 符合CE标准
- 全焊接密封结构
- 单向量程：0.1英寸至2.0英寸
- 8.5~28伏直流供电
- 功耗低
- 可电池供电
- 0~5和1~6伏直流电输出
- 新式能承受较重负载的测量头
- 气密封设计
- 特殊接触端头

## 应用

- 辊筒间隙控制
- 湿式研磨过程控制
- 手持式测量
- X-Y位置反馈

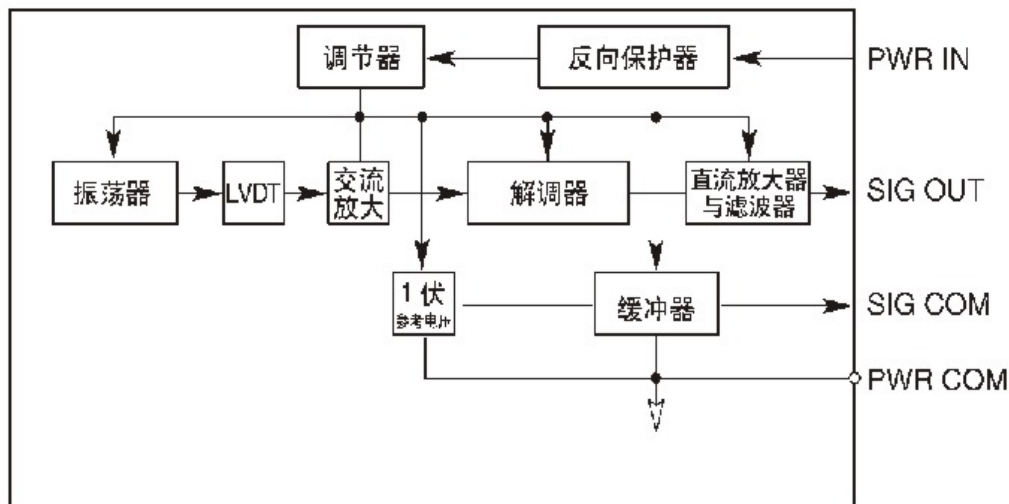
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## 性能参数

输入电压	8.5 ~ 30VDC
输入电流	6 mA(标称)
纹波电压	0.2mV/V(常规)
工作温度	-13 ~ 185 (-25 ~ 85 )
储存温度	-65 ~ 200 (-55 ~ 95 )
输出电压	0 ~ 5VDC(4线) ; 1 ~ 6VDC(3线)
输出阻抗	< 1
噪音和纹波	< 10 mV Rms
线性度	0.25%满量程
重复性	25微米
稳定性	0.1%满量程(长期)
满度的温度系数	0.025% (0.05%/ )
耐受冲击	250g/11毫秒
振动允限	10g/2KHz
外壳材料	AISI焊接400系列不锈钢
电气连接	6针MS型密封连接器

## GCD\_SE系统方框图

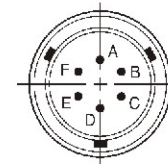
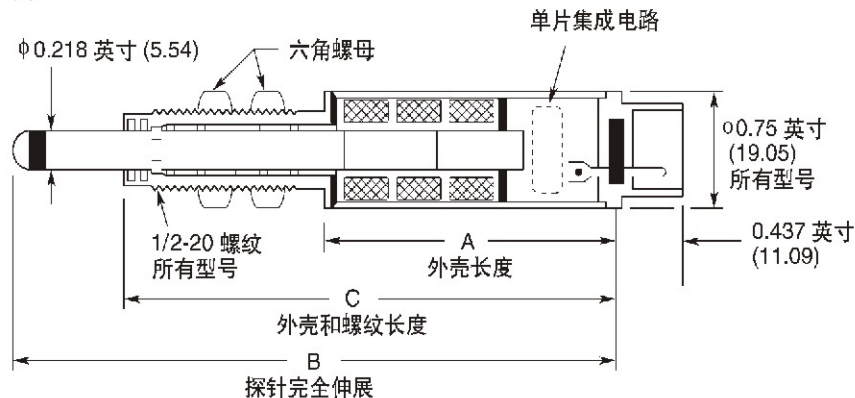


# GCD\_SE系列紧密测量头

弹簧回弹式测量头

## 产品尺寸

尺寸 英寸 (毫米)

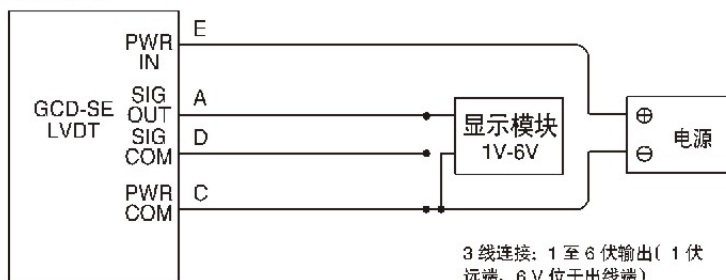


接插件与  
PT06A-10-65(SR)  
接头匹配

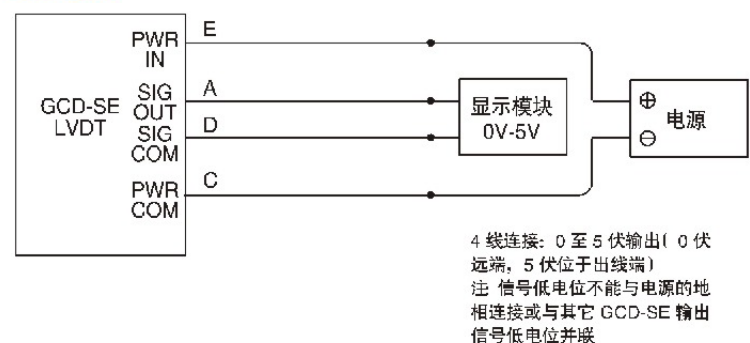
A = 0-5 伏直流电  
或 1-6 直流电  
B = N/C  
C = 电源公共端口  
D = 信号公共端口  
E = 8.5 to 28 VDC  
F = N/C

## 产品尺寸

### 3 线连接



### 4 线连接



## 机械性能

产品型号	GCD-SE-100	GCD-SE-250	GCD-SE-500	GCD-SE-1000	GCD-SE-2000
测量量程	0.100"	0.250"	0.500"	1.000"	2.000"
	(2.54mm)	(6.35mm)	(12.7mm)	(25.4mm)	(50.8mm)
比例系数 伏/英寸	50	20	10	5	2.5
预置量程	0.30" (7.6mm)	0.28" (7.1mm)	0.18" (4.5mm)	0.20" (5.08mm)	0.10" (2.5mm)
过量程	0.39" (9.4mm)	0.29" (7.4mm)	0.03" (0.8mm)	0.35" (8.9mm)	0.10" (2.5mm)
尺寸					
A (±0.01"/0.25mm)	4.06" (103.1mm)	4.90" (124.5mm)	5.76" (146.3mm)	7.46" (189.5mm)	9.71" (246.6mm)
B (±0.03"/0.76mm)	6.48" (164.6mm)	7.30" (185.4mm)	8.16" (207.3mm)	12.93" (328.4mm)	15.16" (385.1mm)
C (±0.02"/0.50mm)	5.42" (137.7mm)	6.27" (159.3mm)	7.13" (181.1mm)	10.45" (265.4mm)	12.69" (322.3mm)

# GCD\_SE系列紧密测量头

弹簧回弹式测量头

## 联系方式

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