

# THE MAGNETIC GRID CONTROLLER

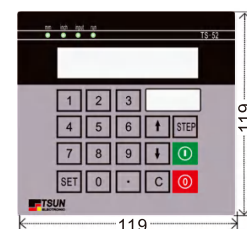
## 磁栅控制器

### TS-52

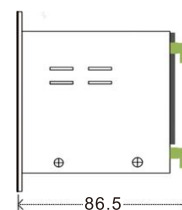
- 准绝对式测量，电池+外部电源供电，磁性位移传感器+功率继电器输出的一体化设计  
Absolute type measuring, battery + external power supply Magnetic displacement sensor + power relay output integration design.
- 6+4位高亮数码管显示  
6+4-highlight digital display
- 多组点动值存储  
Multiple sets of values are stored
- 当前点动值实时显示  
Current point value display
- 公制/英制可切换  
Metric/inch swappable
- 手动/单动运行模式  
Manual/single acting operation mode
- 10组单动数据存储  
10 single action data storage
- 自适应运动惯量  
Adaptive motion inertia
- 自修正丝杠间隙误差  
Since the fixed screw clearance error
- 高可靠性继电器输出 (包括换向, 高低速, 定位完成等输出)  
High reliable relay output (including directional, high speed, positioning to complete such as output)
- 使用磁性位移传感器  
Using magnetic displacement sensor
- 市电+后备电池供电  
Backup battery + Backup battery power
- 电池供电, 即使外部电源断开后, 设备有位移, Ts52也能实时跟踪准确测量  
Battery power, even if the external power supply is disconnected, device has a displacement, Ts52 also can be tracked in real time and accurate measurement



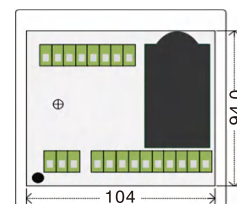
特性 features	技术参数 Technical parameters	备注 Notes
系统精度 System accuracy	$\pm (0.03+0.01*L)mm$	L单位为: 米 Unit: m
重复精度 Repeat accuracy	0.01mm	
测控范围 Range of measurement and control	-19999.9mm~99999.9mm	与分辨率设定有关 Associated with the DPI setting
显示分辨率 Display resolution	0.01mm/0.05mm/0.1mm	可设定 Can be set to
电源电压 Power supply voltage	AC220V/AC110V	
后备电池 Backup battery	锂电池	
整机功耗 Machine power consumption	<4W	
测控速度 Control speed	MAX2.5m/S	
适用磁尺 Applied magnetic ruler	5mm+5mm	
读头与磁带间距 Read head and the tape space	0.5mm-----2.0mm	
输出形式 Output form	继电器 常开 Relay normally open	
输出触点功率 Contact power output	AC220V/5A DC24V/10A	
传感器线长度 Sensor cable length	1m-----15m	可订制 Can be customized
传感器防护等级 Sensor protection rating	IP67	
工作温度 Working temperature	-10°C.....+60°C	
储存温度 Storage temperature range	-30°C.....+80°C	
外壳 Shell	金属 Metal	



正视图  
Front view



侧视图  
Side view



后视图  
Rear view

磁性准绝对式电机行程控制器优点：  
具备磁栅测量仪的一切优点。 直接测量控制，无机械转换误差。 驱动控制大功率普通电机（交流或直流电机）。 控制系统性价比比高。

Magnetic motor stroke control absolute advantages:  
With all advantages of magnetic measuring instrument. Direct measurement and control, no mechanical conversion errors. Drive control power General Motors (AC or DC motors). Control system for high cost performance.