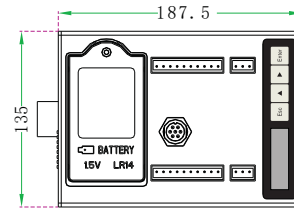
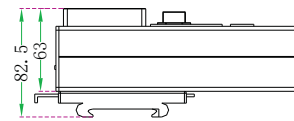


磁栅控制模块MS51

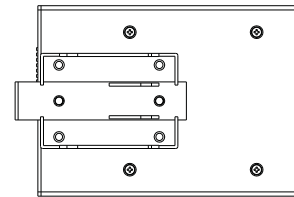
MAGNETIC GRID CONTROL MODULE



正视图
Front view



侧视图
Side view



底视图
Bottom view

- 公制/英制可切换
Metric/inch switch
- 手动/单动运行模式
Manual/ single action mode
- 自适应运动惯量
Adaptive motion inertia
- 自修正丝杠间隙误差
Self correcting screw clearance error
- 使用磁性位移传感器
Magnetic displacement sensor
- DC24V+ 后备电池供电
DC24V+ backup battery power supply
- Rs485通讯接口
Rs485 communication interface
- 带多段补偿功能
With multiple compensation function
- 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
Quasi absolute measurement, battery+ external power supply, integrated design of magnetic displacement sensor power relay output
- 高可靠性继电器输出(包括换向高低速定位完成等输出, 晶体管输出控制伺服/步进)
High reliability relay output (including commutation, high and low speed, positioning complete output) transistor output control servo/step
- 电池供电, 即使外部电源断开后设备有位移, MS51也能实时跟踪准确测量
Battery power supply, even if the external power supply is disconnected the device has a displacement, MS51 can also track real-time accurate measurement

特性、技术参数表、备注

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	DC24V	
后备电池 Backup battery	1节2号 1.5v(LR14) 1 2nd 1.5v(LR14)	寿命约2.5年 Life is about 2.5 years
整机功耗 Machine power consumption	小于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	可定制脉冲+方向输出 Customizable pulse + direction output
输出触点功率 Contact power output	AC220V/5A DC24V/10A	
传感器线长度 Sensor cable length	1m-----15m	可定制 Can be customized
传感器防护等级 Sensor protection rating	IP67	
工作温度 Working temperature	-10°C.....+60°C	
存储温度 Storage temperature range	-30°C.....+80°C	
外壳 Shell	金属 Metal	

[磁栅控制器优点:]

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 grid controller 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.