

ABSOLUTE MAGNETIC GRATING RULER

绝对值磁栅尺

ATS



- 周期编码长度1024mm
Period code length 1024mm
- 分辨率可达0.1um
Resolution up to 0.1um
- 支持BISS-C,SSI,RS-485,松下,多摩川等通讯协议
Supports BISS-C, SSI, RS-485, Panasonic, Domochuan and other communication protocols
- 读头由带弹片系统的自对正和自清洁滑块引导
The reading head is guided by a self-aligning and self-cleaning slide with a shrapnel system
- 无接触读数
Contactless readings
- 使用万向节,带来各种应用安装的可能性
Use of universal joints opens up the possibility of installation for various applications
- 绝对式磁栅尺,无需参考点,无需限位开关信号,适用于同步折弯机的两柱上统一使用
Absolute magnetic grille ruler, no reference point, no limit switch signal, suitable for unified use on two pillars of synchronous bender

特性 (Characteristic)	技术参数 (Technical parameter)
栅距 (Pitch) 热膨胀系数 (Coefficient of thermal expansion)	2+2 mm III_p $10.6 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$
分辨率 (Resolving power)	1, 5, 10 μm
重复性 (Repetitiveness)	± 2 个分辨率 (resolution)
精确等级 (Precision Level)	$\pm 20\mu\text{m}$
测量长度mm (Measuring length)	170, 220, 270, 320, 370, 420, 470, 520, 570, 620, 720, ...
最大移动速度 (Maximum Moving Speed)	4 m/s
要求的移动力(Required mobility force)	$\leq 1.5 \text{ N}$
抗振性 (Vibration resistance) (EN 6 006 8-2-6)	100 m/s^2 [55 - 2000 Hz]
耐冲击性 (Impact resistance) (EN 6 006 8-2-27)	150 m/s^2 [11 ms]
保护等级 (Protection Level) (EN 60529)	IP65标准 (Standard)
工作温度 (Working temperature)	0 $^\circ\text{C}$ ~ 60 $^\circ\text{C}$
储存温度 (Storage temperature)	-20 $^\circ\text{C}$ ~ 80 $^\circ\text{C}$
相对湿度 (Relative humidity)	20% ~ 80% (非冷凝) (Non-condensing)
支架滑动 (Support sliding)	无接触 (Contactless)
供应电源 (Supply power)	5 Vdc $\pm 5\%$
电流消耗 (Current Consumption)	140 mA _{MAX}
最大电缆长度 (Maximum cable length)	10 m
电气连接 (Electrical connection)	请参照相应表格 (Please refer to the corresponding table)
电气保护 (Electrical protection)	极性反接和短路 (Polarity reversal and short circuit)
重量 (Weight)	950 g + 1050 g/m

安装和调试要点, 详见产品说明书 (Installation and commissioning points are detailed in the product instruction)

