

# INCREMENTAL MAGNETIC GRILLE RULER

## 增量式磁栅尺

CTS



■ 分辨率可达0.1um

Resolution up to 0.1um

■ 适用于同步折弯机

Suitable for synchronous bending machine

■ 选项：安全限位开关，定位在尺子两端

Option: Safety limit switch, positioned at both ends of the ruler

■ 可选零参考点，使尺子具有对称性，同一型号的尺子可以在折弯机的两柱上统一使用

Zero reference points can be selected to symmetry the ruler so that the same type of ruler can be used uniformly on both columns of the bender

■ 无接触读数

Contactless readings

■ 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

■ 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

特性 (Characteristic)	技术参数 (Technical parameter)
测量支持 (Measurement support) 栅距 (Pitch) 热膨胀系数 (Coefficient of thermal expansion)	塑性铁氧体不锈钢带 (Plastic ferrite stainless steel strip) 5+5 mm III <sub>p</sub> 10.6 x 10 <sup>-6</sup> °C <sup>-1</sup>
参考点(I0) (Reference point)	E=可选 (Optional)
分辨率 (Resolving power)	50, 25, 10, 5, 1 μm
重复性 (Repetitiveness)	± 2个分辨率 (resolution)
精确等级 (Precision Level)	± 20μm
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)	2 m/s
要求的移动力(Required mobility force)	≤1.5 N
抗振性 (Vibration resistance) (EN 6 006 8-2-6)	100 m/s <sup>2</sup> [55 - 2000 Hz]
耐冲击性 (Impact resistance) (EN 6 006 8-2-27)	150 m/s <sup>2</sup> [11 ms]
保护等级 (Protection Level) (EN 60529)	IP65标准 (Standard)
工作温度 (Working temperature)	0°C ~ 60°C
储存温度 (Storage temperature)	-20°C ~ 80°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)	5-30V
电流消耗 (Current Consumption)	70 mAMAX
A, B and I0 输出信号 (Output signal)	LINE DRIVER (线路驱动) (Line Drive)
最大电缆长度 (Maximum cable length)	30 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)

