SUNSTAR传感与控制 http://www.sensor-ic.com/ TEL:0755-83376549 FAX:0755-83376182E-MAIL: szss20@163.com

PBS-HR - Self-aligned incremental optical scale



- Optical scale with stainless steel grating for applications on synchronized Press brakes.
- Self-aligned reading transducer. Resolutions up to 0.5 μm, accuracy ± 2.5 μm.
- Linear thermal expansion coefficient $\lambda = 10.6 \times 10^{-6} \, ^{\circ}\text{C}^{-1}$ suitable to the application.
- Reference indexes at coded distance or at constant step (10 mm) or selectable. The selectable zero references
 and the swinging cable output make the scale SYMMETRIC and applicable, in the same version, both to the right
 column and to the left column of the Press brake.
- Hybrid circuit calibrated by laser. High stability of signals (positive and negative signals from LINE DRIVER).
- Protected against inversion of power supply polarity and short circuit on output ports.

PBS-HR T10 Resolution 10 μm - Zero Magneto Set

Resolution	10 μm
Grating pitch	40 μm
Accuracy	± 2.5 μm
Max. traversing speed	80 m/min
Measuring length	170, 220, 270, 320, mm
Reference indexes	constant step / selectable / coded
Output	LINE DRIVER / PUSH-PULL
Protection class	IP 54 standard - IP 64 pressurized
Electrical protections	inversion of polarity and short circuit



PBS-HR 100Z Resolution 10 μm

Resolution	10 μm
Grating pitch	40 μm
Accuracy	± 2.5 μm
Max. traversing speed	80 m/min
Measuring length	170, 220, 270, 320, mm
Reference indexes	in required positions
Output	LINE DRIVER / PUSH-PULL
Protection class	IP 54 standard - IP 64 pressurized
Electrical protections	inversion of polarity and short circuit



All optical scales are supplied with a certificate of metrological inspection performed in rigorous environmental and climatic conditions: T = 20° C ± 0.1° C R.H. = $45 \div 55$ %.



Tect Electronics

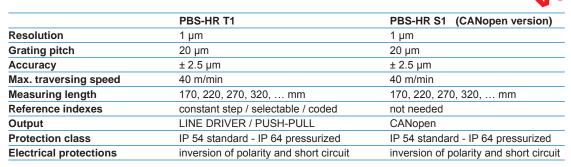


Resolution	5 μm
Grating pitch	20 μm
Accuracy	± 2.5 μm
Max. traversing speed	60 m/min
Measuring length	170, 220, 270, 320, mm
Reference indexes	constant step / selectable / coded
Output	LINE DRIVER / PUSH-PULL
Protection class	IP 54 standard - IP 64 pressurized
Electrical protections	inversion of polarity and short circuit

PBS-HR 5Z	Resolution 5 µm
Resolution	5 μm
Grating pitch	20 μm
Accuracy	± 2.5 μm
Max. traversing speed	60 m/min
Measuring length	170, 220, 270, 320, mm
Reference indexes	in required positions
Output	LINE DRIVER / PUSH-PULL
Protection class	IP 54 standard - IP 64 pressurized
Electrical protections	inversion of polarity and short circuit

PBS-HR T1 PBS-HR S1

Resolution 1 µm - Zero Magneto Set



PBS-HR T05	Resolution 0.5 µm - Zero Magneto Set
------------	--------------------------------------

Resolution	0.5 μm
Grating pitch	20 µm
Accuracy	± 2.5 μm
Max. traversing speed	25 m/min
Measuring length	170, 220, 270, 320, mm
Reference indexes	constant step / selectable / coded
Output	LINE DRIVER / PUSH-PULL
Protection class	IP 54 standard - IP 64 pressurized
Electrical protections	inversion of polarity and short circuit

