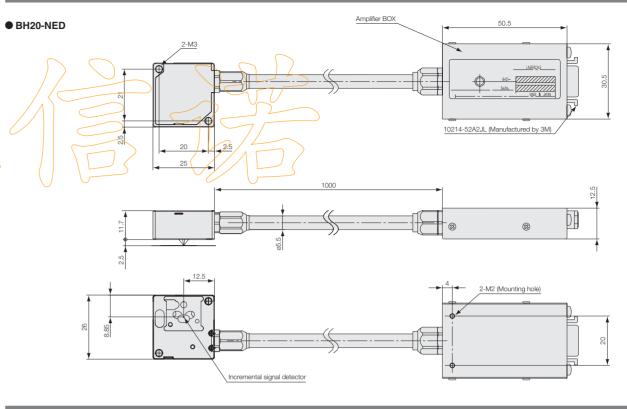
## BH20-RE / BH20-NE (with origin) / (without origin)

Compact, reflective rotary Laserscale featuring high accuracy, high resolution and high response speed.

Ideal for high-resolution angle measuring in HDD manufacturing equipment, precision measuring instruments, and aspheric surface processing machines.





	Main specifications						
Detection head							
	Model	BH20-RED BH20-NED					
	Detection system	Diffraction grating scanning system					
	Light source	Semiconductor laser with power of 6mW or less and wavelength of 790nm					
)	Reference point	Single reference point, single -direction detection None					
/ [	Grating pitch	1.0µm					
/	Signal pitch	250µm					
	Reference point	With reference point None					
	Direction of starting point detection	For one None					
	Scale	Linear scale : 7 to 18mm (scale : Ni-Co or Si ) Rotary scale : Radius 6.016, 9.454, 12.032, 27.073, 36.097mm (rotary scale Ni-Co)					
	Maximum response speed	1,500mm/s(When using analog output),700mm/s(When using interpolator BD96)					
	Operating temperature range	+10°C to +30°C no condensation. Avoid operating under high humidity.					
	±0°C to +50°C no condensation. Avoid operating under high humidity.						

## Film scale (BE10)

Detection radius		12.032mm	27.073mm	36.097mm	41.723mm
Detection track	Max.radius	13.532mm	28.573mm	37.597mm	43.523mm
Detection track	Min.radius	10.532mm	25.573mm	34.597mm	40.597mm
External form	Internal diameter	7.7mm	19.77mm	29.00mm	34mm
External lorri	External diameter	13.45mm	28.57mm	37.60mm	43.523mm
Scale diameter		20ømm	59ømm	77ømm	87ømm
Number of output pulse of one-rotation		302400	680400	907200	1048576
Maximum respon	nse speed *	1190 min <sup>-1</sup>	529 min <sup>-1</sup>	396 min <sup>-1</sup>	343min <sup>-1</sup>

When using cable length 1m and Analog output However, the Max response speed is limited depending on the cable length.

