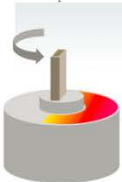
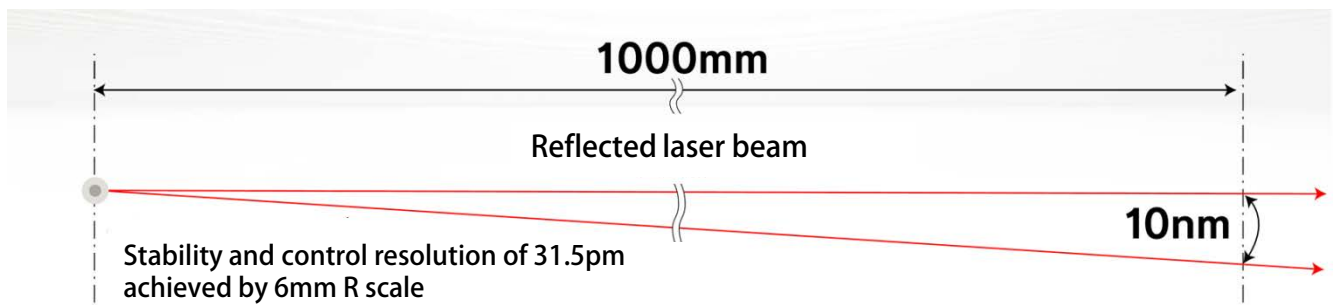


High response speed, High resolution Rotary Encoder

BH20 series

Ability of 10nm resolution at 1000mm distance



Application example: galvanometer mirror

- Scale weight: 0.06g (at R=6.016mm) • Ultra low expansion glass
- Encoder resolution: 3.8pm=0.6nrad (at R=6.016mm)
- Interpolator: 65,536 divisions
- Low noise performance at +/-30pm by BH20

Scale product lineup

Detection radius	6.016mm	12.032mm	27.037mm	36.097mm	41.723mm
Scale inner diameter	To be customized	Φ8.5mm	Φ37mm	Φ57mm	Φ68mm
Scale outer diameter	To be customized	Φ27mm	Φ60mm	Φ78mm	Φ89mm
Pulses/rotation*	151,200	302,400	680,400	907,200	1,048,576
Max, rotational speed**	3,000rpm	1,500rpm	1,125rpm	500rpm	432rpm

*) At analog output

**) For customized model with analog output