

# BD60

## Detector unit for high accuracy position control

- High resolution: 0.1  $\mu\text{m}$
- Max. response speed 300 mm/s
- Can be easily designed into machines.
- Scale pitch compensation
- A/B phase signal, zero point signal and alarm signal output by differential line driver.

### Specifications

Model	BD60
Resolution	0.1 $\mu\text{m}$
Output pulse width	Min. 200 ns
Max. response speed	300 mm/s / 11.8"/s
Output signal	A/B phase and zero point output by differential line driver (equivalent to SN75113)
Scale pitch compensation	Preset 0.1379 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> to <input type="checkbox"/> CMP
Alarm	Max. response speed exceeded, cable broken or disconnected, no compensation value set or other circuit errors; turn power off and on to reset
Reset	Use reset key or external input
Power supply	+ 24 V DC $\pm$ 10%
Power consumption	Max. 10 W
Operating temperature	0 °C to 50 °C / 32 °F to 122 °F
Storage temperature	-10 °C to 60 °C / 14 °F to 140 °F
Dimensions	32 x 171 x 162 mm/ 1.3" x 6.7" x 6.4" (W x H x D)
Mass	0.8 kg/ 1.76 lbs

### Dimensions

