

# Detector for LASERSCALE

# BD15 BD15-T

## Detector unit for ultra-high precision position control

- High resolution: 0.0086...  $\mu\text{m}$
- Max. response speed: 120 mm/s
- Can be incorporated in a VME bus rack.
- A/B phase signal and alarm signal output by differential line driver.
- Operable from + 5 V DC and  $\pm 12$  V DC power supply (in compliance with VME bus).

### Specifications

Model	BD15
Resolution	0.0086... $\mu\text{m}$
Output pulse width	72 ns (at 120 mm/ s)
Max. response speed	120 mm/ s
Output signal	A/B phase output by differential line driver (equivalent to SN75113), without pitch compensation
Alarm	Max response speed exceeded, cable broken or disconnected, other circuit errors
Reset	Turn power off and back on or use external input
Power supply	+ 5 V DC $\pm 5\%$ or $\pm 12$ V DC $\pm 5\%$
Power consumption	Max. 5.7 W
Operating temperature	0 °C to 40 °C / 32 °F to 104 °F
Storage temperature	-10 °C to 50 °C / 14 °F to 122 °F
Dimensions	20 x 186.4 x 261.8 mm/ 0.8" x 7.3" x 10.3" (W x H x D)
Mass	0.3 kg/ 0.66 lbs

### Dimensions

