

BD

BD96
Interpolator for Laserscale™

上海迈信

Maximum resolution of 17pm when combined with the BS series.
Supporting various serial and binary outputs.



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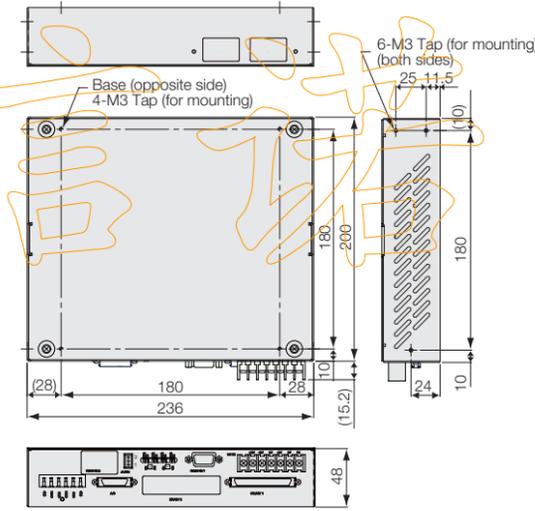
- Maximum resolution :
0.4nm (When connected with BL series)
31pm (When connected with BH series)
17pm (When connected with BS series)
- High response speed :
1,100mm/s (When connected with BL series)
700mm/s (When connected with BH series)
400mm/s (When connected with BS series)
- Various serial or binary outputs

- Includes automatic signal compensation
- AB quadrature output
(standard : 4 divisions) (binary output axis 1 or 2 type)
BS series : 34.5nm, BH series : 62.5nm, BL series : 100nm
- Maximum no. of divisions : 8000 (When connected with BS and BH series)

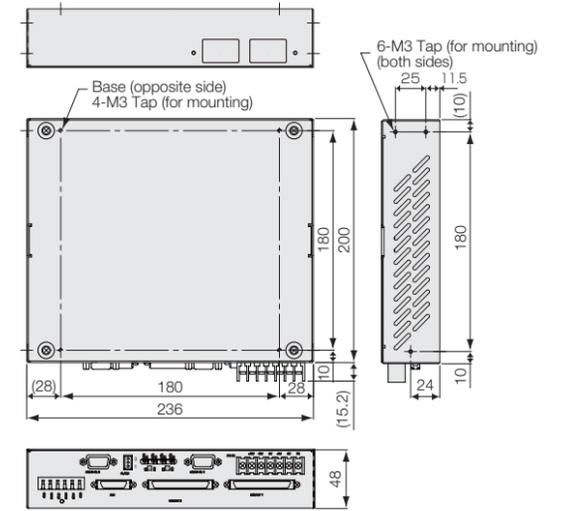
* Please inquire about various specifications, such as the number of divisions.

External Dimensions

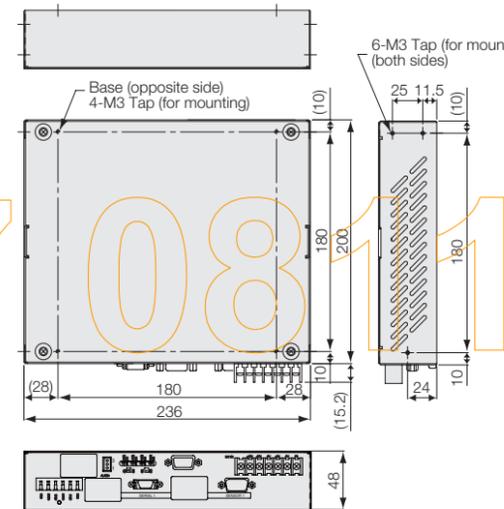
●BD96-B1



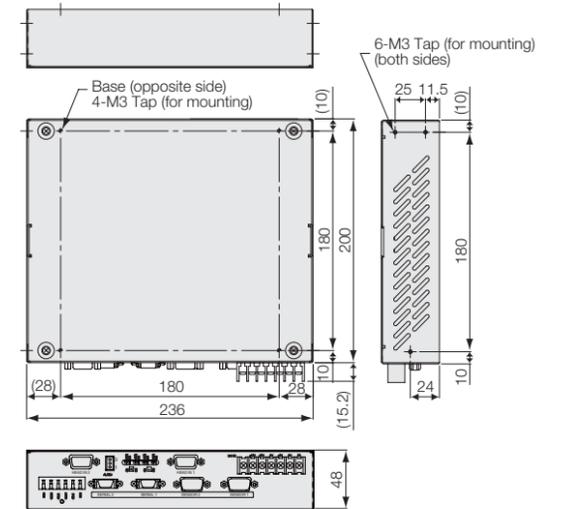
●BD96-B2



●BD96-Y1/M1



●BD96-Y2/M2



Unit: mm

*2 External dimensions of the 1- and 2-axis are identical.

Main specifications	
Model	BD 96
MAX. resolution	0.4nm (When connected with BL series), 0.03125nm (When connected with BH series), 0.017nm (When connected with BS series)
Response speed	400mm/s (When connected with BS series), 700mm/s (When connected with BH series), 1,100mm/s (When connected with BL series)
MAX. division	025 : 256, 051 : 512, 040 : 400, 050 : 500, 100 : 1000, 200 : 2000, 400 : 4000, 800 : 8000
Alarm	When exceeding the maximum response speed or when the laser signal level is too low (disconnection); LED lights up
Input signal compensation	DC offset, amplitude, phase
Power supply	DC +5V±5% DC +12V±5% DC -12V±5%
Current Consumption (When scale is connected)	DC +5V : 0.4A DC +12V : 0.7A DC -12V : 0.5A (2 axes type)
Operating temperature range	0 to +40°C
Storage temperature range	-10 to +50°C
Dimensions	236 (W) x 215.2 (D) x 48 (H)mm
Weight	Approx. 1.6kg

BD96-☆△***□C
 ↑ Shape C: Case type
 ↑ Scale type S: BS series H: BH series L: BL series
 ↑ Division 025: 256 divisions 051: 512 divisions 040: 400 divisions 050: 500 divisions 100: 1000 divisions 200: 2000 divisions 400: 4000 divisions 800: 8000 divisions
 ↑ Axis type 1: 1 axis 2: 2 axes J: Supports long scales of the BL series (Max. 512 divisions)
 ↑ Output mode B: Binary (Axis type 1 or J : 40 bits, 2 : 20bits) Y: Yaskawa Electric serial M: Mitsubishi Electric serial F: FANUC® serial
 *2 Special model