External Dimensions

●BD96-B1

Base (opposite side)
4-M3 Tap (for mounting)

6-M3 Tap (for mounting)
(both sides)

●BD96-B2

Base (opposite side)
4-M3 Tap (for mounting)

6-M3 Tap (for mounting)
(both sides)

●BD96-Y1/M1

Base (opposite side)
4-M3 Tap (for mounting)

6-M3 Tap (for mounting)
(both sides)

●BD96-Y2/M2

Base (opposite side)
4-M3 Tap (for mounting)

6-M3 Tap (for mounting)
(both sides)
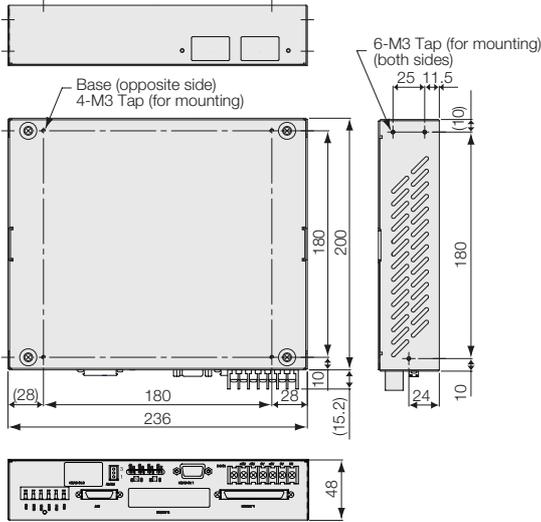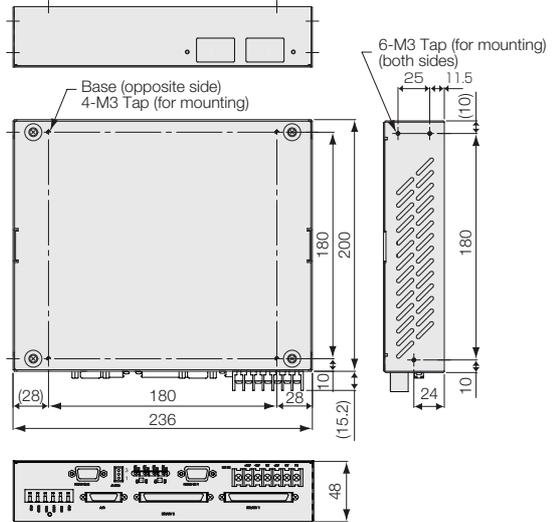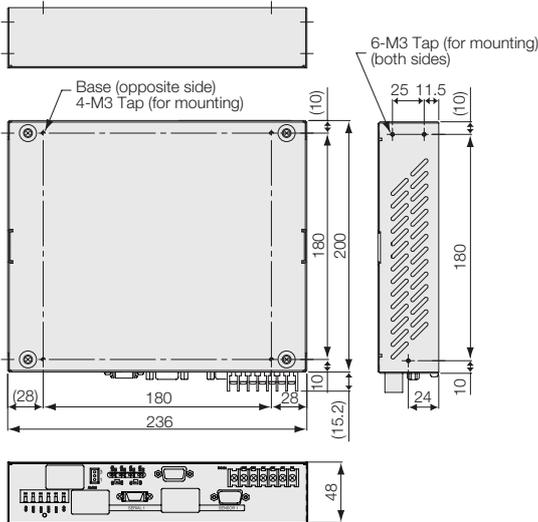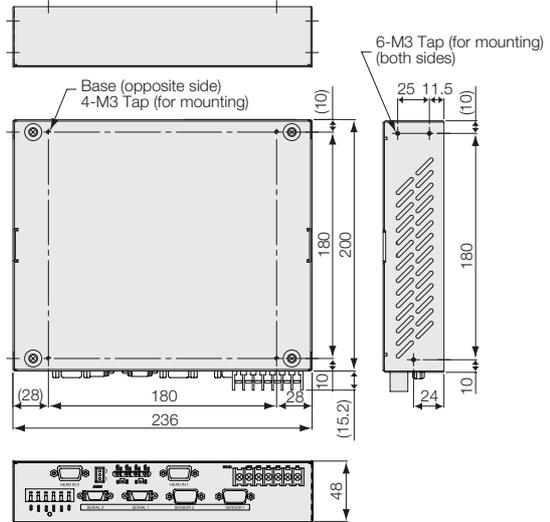
Unit: mm
*2 External dimensions of the 1- and 2-axis are identical.

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℃
Storage temperature range	-10 to +50℃
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 BLseries (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*2 serial
*2 Special model