



IB-1050  
Amplifier Unit, DIN Rail Type



\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model		IB-1050
Type		DIN rail mount
Main unit/Expansion unit		Expansion unit
Head compatibility		Yes
Display	Display resolution	0.01 %, 0.1 %, 1 % (switchable)
	Display range	−99.999 to 99.999, −99.99 to 99.99 −99.9 to 99.9, −99 to 99 (switchable)
	Digital display method	Dual7-segmentdisplay Upper level: 5 red digits Lower level: 5 green digits
	Operating indicators	Judgment indicator: 2-color (green/red) LED (HI, GO, LO) Bank indicator: Green LED x 4 Laser emission warning indicator: Green LED Others: Green LED x 8, red LED x 3
Analog output voltage		No
Analog current output		
Control Input	Bank switch input, zero shift input	Non-voltage input *1
Control input	Zero shift input	
	Laser emission stop input	
	Timing input	
	Reset input	
	Adjust input	
Control output	Judgment output (check output)	Open collector (NPN/PNP switchable, N.O./N.C. switchable) *2
Power supply	Power consumption	2400 mW or less (at 30 V, 80 mA max.) *3 *4 (including analog current output)
	Power voltage	Supplied from main unit *3
Environmental resistance	Pollution degree	2
	Ambient temperature	−10 to +50 °C (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, compound amplitude 1.5 mm, 2 hours each for X, Y, Z axes
Material		Main unit case/Front panel: polycarbonate, keytop: polyacetal, cable: PVC
Weight		Approx. 140 g (including accessories)

\*1 The four external input wires are assigned with desired inputs.  
Rated no-voltage input: ON voltage 2 V or less, OFF current 0.05 mA or less  
Rated voltage input: Max. input rating 30 V or less, ON voltage 7.5 V or more, OFF current 0.05 mA or less  
\*2 Rated NPN open collector output: Max. 100 mA/ch (20 mA/ch when expansion units are connected), 30 V or less, residual voltage 1 V or less  
Rated PNP open collector output: Max. 50 mA/ch (20 mA/ch when expansion units are connected), power voltage or less, residual voltage 2 V or less  
\*3 Use with the over current protection device which is rated 30 V or more and not more than 1 A.  
\*4 Does not include the power consumption of the load.

The power consumption with expansion units installed is the total of each amplifier unit's power consumption.  
Example: When using one main unit (IB-1000) with two expansion units (IB-1050) (2400 mW X 1) + (2400 mW X 2) = 7200 mW

Dimensions

\* Download CAD file or product manual for larger image/text and more detail.

IB-1050

