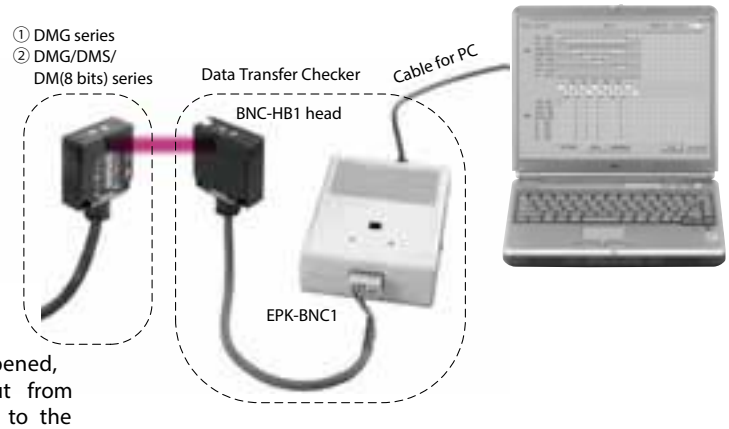
Data Transfer Checker

BNC-HB1

Data transfer cheker can check the interlocking on SEMI E84 beforehand !
Data transfer checker provides the following 2 kinds of application software(Hokuyo Data Flex SFOC and RIS).

1. Hokuyo Data Flex SFOC
When some troubles such as interlocking etc. happened, memorized data(Communication data) can be read out from DMG series and its data can be displayed on PC. Refer to the above ① about correspondent devices.

2. Hokuyo Data Flex RIS
Under automatic transportation system on semiconductor and LCD manufacturing facilities, it is possible to make data communication as imaginary UTV(AGV, RGV, OHT etc.) or fixed passive equipments on the interlocking system with parallel I/O between UTV and passive equipments. Refer to the above ② about correspondent devices.



Structure

Basic unit(Complete model No.)

Model No.	Structure
BNC-HB1-S	BNC-HB1 Head EPK-BNC1 Power box AC adaptor(Cable 2m) Cable 300mm for BNC-HB1 (for connection to PC) BNC-HB1 Application software (SFOC/RIS)

Head and others(As an option)

Model No.	Remarks
BNC-HB1	Head
EPK-BNC1	Power BOX
AC adaptor for BNC-HB1	Cable length 2m
Cable for BNC-HB1 (Standard type)	For PC connection(300mm)
Extension cable for BNC-HB1	For head connection(3m)
	For head connection(6m)
BNC-001	Mounting bracket

Specifications

BNC-HB1 Head

Type	Parallel type
Model	BNC-HB1
Direction	Side-on
Transmission distance	300mm
Case material	Polycarbonate
Weight	Approx. 60g

EPK-BNC1Power box

Model No.	EPK-BNC1
Power source	Built-in rechargeable battery(Charging from AC Adaptor)
Battery life	4 hours(When continuous use)
Charging time	Approx. 16 hours
Current consumption	100mA or less
Weight	Approx. 300g

Cable for BNC-HB1

Type	Connection for PC
Connection	300mm EIA-574(RS-232C 9 pins connector)*
Weight	Approx. 45g

*Cable length between BNC-HB1 Head and PC should be within 6m.

BNC-HB1 Application software

Model	Hokuyo Data Flex SFOC	Hokuyo Data Flex RIS
Function	Communication data(Logging data) is read out from DMG series	It is possible to make data communication as imaginary UTV(AGV, RGV, OHT etc.) or fixed passive equipments under automatic transportation system.
Diplay method	Timing chart	
Check mode	———	Automatic mode, Manual mode
Operating pattern	———	E84 standard, Custom pattern

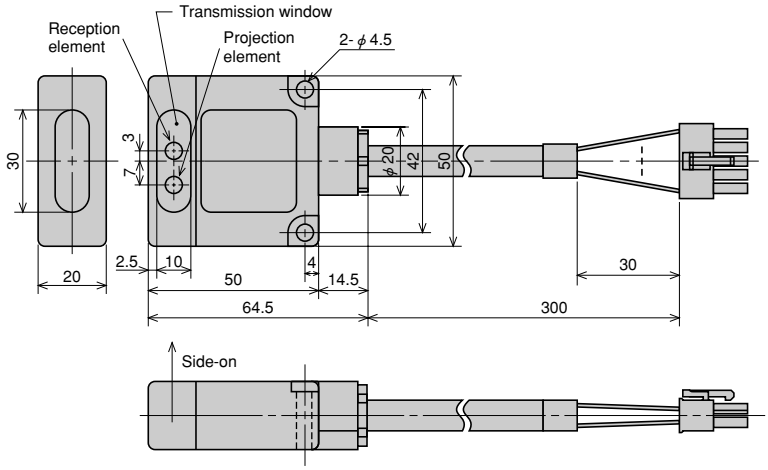
Common specifications

Ambient illuminance	4,000lux or less(Incandescent lamp)
Ambient temperature/humidity	-10℃ to +50℃, 85%RH or less
Vibration resistance	Double amplitude 1.5mm 10 to 30Hz Each 2 hour in X, Y and Z directions
Impact resistance	500m/s² Each 10 time in X, Y and Z directions
Max. cable length	Between head and PC: 6m or less*
Protective structure	Non protection

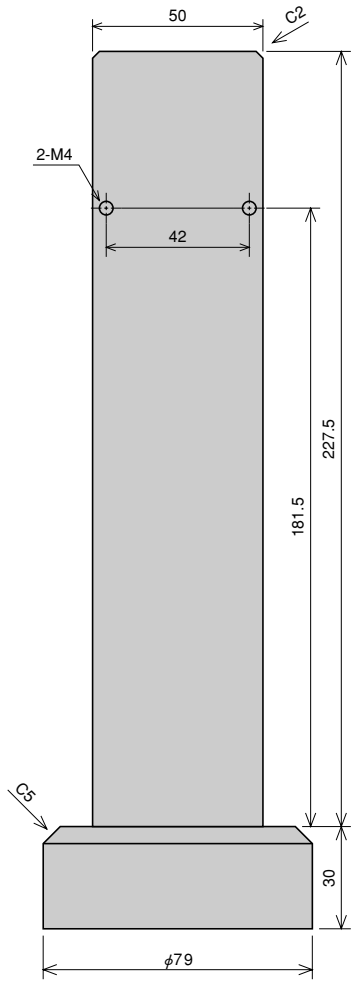
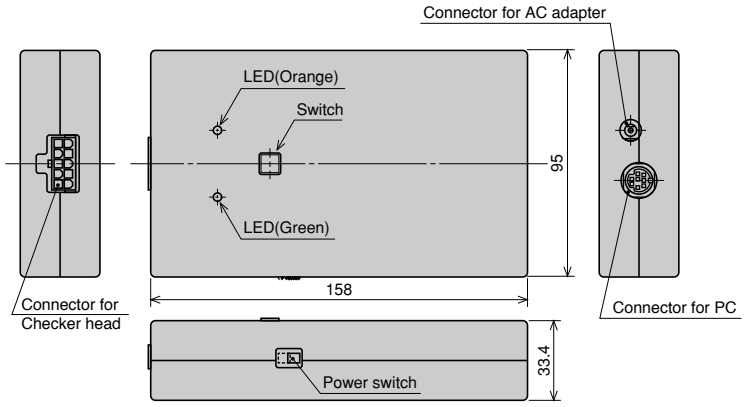
*Extension cable(between head and power box) is available as an option. Aks us.

■ External dimensions

BNC-HB1(Head)



BNC-001(Bracket)



EPK-BNC(Power box)