



# BL-1350HA

Ultra Small Digital Barcode Reader, High-resolution Type, Side Single



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

## Specifications

Model			BL-1350HA
Type			High-resolution, side type
Type	Reading direction	Side	
	Scanning method	Single	
Laser	Light source	Visible semiconductor laser (wavelength: 660 nm)	
	Control output	85 μW	
	Pulse duration	112 μs	
	Laser class	Class 2 Laser Product (IEC60825-1, FDA (CDRH) Part1040.10*1)	
Reading	Supported codes	CODE39, ITF, Industrial2of5, Standard2of5, COOP2of5, CODABAR, CODE128, GS1-128, CODE93, UPC/EAN, GS1 DataBar	
	Number of readable digits	74 digits (148 digits for CODE128 with start character C)	
	Readable bar width	0.08 mm 0.003"	
	Reading distance	40 to 250 mm 1.57" to 9.84"*2 (narrow bar width 0.5 mm 0.02")	
	Focal point	65 mm 2.56"	
	Largest readable label width	201 mm 7.91"*2 (distance: 175 mm 6.89", narrow bar width: 0.5 mm 0.02")	
	PCS	0.4 or more	
	Scanning rate	500 to 1,300 scans/sec. (in units of 100 scans)	
I/O specifications	Input terminals	Number of inputs	2 (IN1 and IN2)
		Input format	No-voltage input
	Output terminals	Number of outputs	4 (OUT1, OUT2, OUT3, and OUT4)
		Output	NPN open collector
		Rated load	24 VDC, 30 mA
		Leakage current (at OFF)	0.1 mA or less
		Residual voltage (at ON)	0.5 V or less
	Serial interface	Communication method	Conforms to EIA RS-232C
		Communication speed	600, 1,200, 2,400, 4,800, 9,600, 19,200, 31,250, 38,400, 57,600, 115,200 bps
		Synchronization between the transmitter and receiver	Asynchronous
		Data bit length	7 or 8 bits
		Stop bit length	1 bit or 2 bits
		Parity check	None, odd, even
Rating	Power voltage		5 VDC ±5 %

Environmental resistance	Voltage consumption	400 mA or less
	Enclosure rating	IP65
	Ambient light	Sunlight: 10,000 lux, Incandescent lamp: 6,000 lux
	Ambient temperature	0 to +45 °C 32 to 113 °F
	Storage temperature	-20 to +60 °C -4 to 140 °F
	Relative humidity	35 to 85 % RH (No condensation)
	Operating environment	No dust or corrosive gases present
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions
Weight		Approx. 130 g

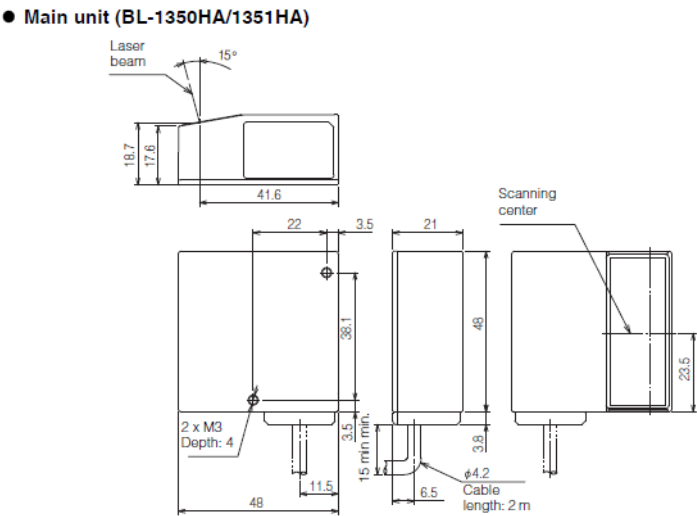
\*1 The laser classification for FDA (CDRH) is implemented based on IEC60825-1 in accordance with the requirements of Laser Notice.

\*2 Specifications for 500-scan/second operation  
Use the Limited Power Source defined in UL/IEC60950-1 to comply with UL/IEC60950-1.  
Internal body settings are written in the internal memory area (can be rewritten 100,000 times).

Dimensions

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

BL-1350\_dimension\_01.gif



BL-1350\_sidescanning\_dimension\_01.gif

### Side scanning type

