

KEYENCE

Handheld Code Reader
HR-100 Series



LIGHTNING-FAST CODE READING



**WIRELESS
MODELS**
NOW
AVAILABLE

INCREASED EFFICIENCY



Handheld Code Reader
HR-100 Series



Communication Unit
HR-UC1

GLOBAL SUPPORT

KEYENCE provides support in North America, Japan, Europe, China and South East Asian countries.

Product support may not be available in some countries and regions. For details, consult your nearest KEYENCE sales office.



VARIOUS FEATURES INCREASE EASE-OF-USE

Setup software **HR-H1WE**

You can configure the reader's settings by using a simple interface on your PC. In addition, by using the quick setup code function, you can configure the settings by simply reading a printed code.



Wireless connection of multiple devices

Up to six code readers can be connected to a single Communication Unit. A separate desktop holder for charging each code reader is also available.



EASY DETECTION

INSTANT DECODING

LARGER DETECTION AREA & FASTER READING SPEED

Thanks to a wide field of view and a large depth of field, a code can be easily captured with just the push of a button. Furthermore, high reading speeds - faster than the conventional handheld readers - is possible.

Reading Capabilities

	HR-100 Series	SR-750 Series	SR-1000 Series
Barcodes	✓	✓	✓
2D Codes	✓	✓	✓
Direct Part Marks	PCB or ABS Resin	✓	✓
	Metallic	✓	✓
	Casting		✓
	Glass or Mirrored		✓

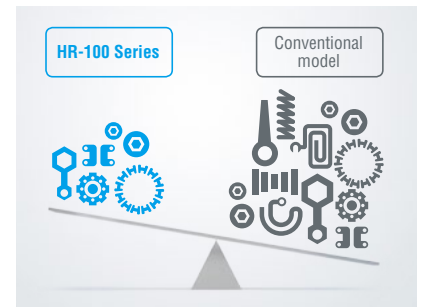
WIDE AREA
265 × 195 mm
10.43" × 7.68"

FAR READING DEPTH
380 mm
14.96"

SIMPLE OPERATION

COMPACT AND LIGHTWEIGHT DESIGN

To minimize headaches during use, this reader features a simple structure with fewer parts. As a result, the unit is compact, lightweight, and robust, ensuring minimal risk of equipment failure.



IMPROVED EFFICIENCY

WIRELESS

The new wireless model of the HR-100 Series eliminates the need for challenging cable routing. The increased ease-of-use can lead to substantial productivity improvements.



Drop impact resistance 1.8 m **5.91'**

The HR-100 Series is built to withstand accidents. You can rely on its durability and use it without fear of damage.



Continuous reading with Auto-Scanning mode

When a label comes into the field of view, it is automatically detected and decoded. Using the dedicated stand, the HR-100 automatically switches into Auto-Scanning mode with continuous scanning.

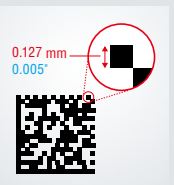
*Only HR-100/101 has Stand auto detection function.



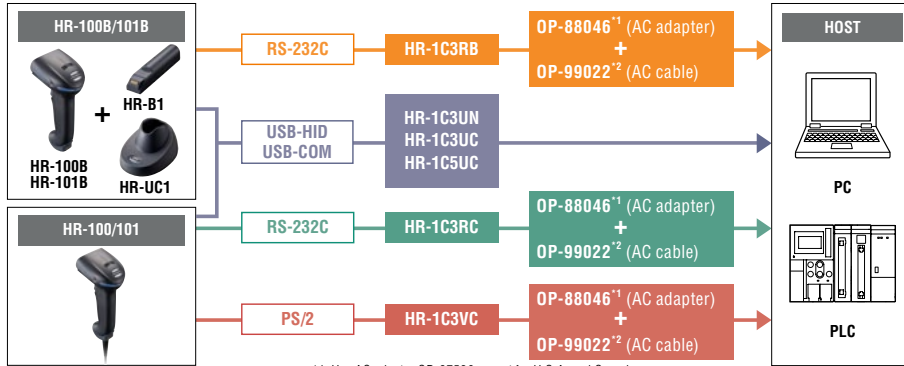
Flexible arm stand **OP-87532**

2D CODE: Minimum resolution 0.127 mm **0.005"**

A high-resolution model with a minimum readable cell size of 0.127 mm **0.005"** is available. The ability to read very small codes expands the range of reading applications.



SYSTEM CONFIGURATION



*1. Use AC adapter OP-87530 except for U.S.A. and Canada.
 *2. Various types of AC cables are available for use in different countries and/or regions. Contact us for details.



SPECIFICATIONS

Reader

Model	HR-100	HR-100B	HR-101	HR-101B
Type	Standard		High resolution	
Interface	Wired		Wired	Wireless
Light source	Red LED			
Reading specifications	Supported symbol	QR, MicroQR, DataMatrix (ECC200), PDF417, MicroPDF417, GS1 Composite (CC-A/CC-B/CC-C), MaxiCode, AztecCode		
	Barcode	CODE39, ITF, 2of5 (Industrial 2of5), NW-7 (Codabar), CODE128, GS1-128, GS1 DataBar, CODE93, JAN/EAN/UPC, MSI, Postal, CODE11, 2of5		
	Minimum resolution	0.169 mm 0.007"	0.127 mm 0.005"	
	Barcode	0.127 mm 0.005"	0.076 mm 0.003"	
Reading distance	2D	15 to 180 mm 0.59" to 7.09" (Cell size = 0.254 mm 0.01")	0 to 114 mm 4.49" (Cell size = 0.254 mm 0.01")	
	Barcode	25 to 115 mm 0.98" to 4.53" (Narrow bar width = 0.127 mm 0.005")	0 to 96 mm 3.78" (Narrow bar width = 0.127 mm 0.005")	
Wireless	Standard	Bluetooth version 2.1		Bluetooth version 2.1
Environmental resistance	Ambient temperature	0 to 50°C 32 to 122°F		
	Relative humidity	5 to 95% RH (no condensation)		
	Ambient light	Sunlight: 10000 lux, Fluorescent lamp: 2000 lux		
	Drop impact resistance	1.8 m 5.9' 50 times on concrete		
Rating	Power voltage	4.0 to 5.5 VDC	4.0 to 5.5 VDC	4.0 to 5.5 VDC
	Current consumption	Reading: 450 mA, Standby: 90 mA	Reading: 450 mA, Standby: 90 mA	Reading: 450 mA, Standby: 90 mA
Operating time (when using HR-B1)*	—	Approx. 14 hours	—	Approx. 14 hours
Dimensions	161 × 86 (head) × 71 mm (head) 6.34" × 3.39" × 2.80"			
Weight	Approx. 150 g	Approx. 225 g	Approx. 150 g	Approx. 225 g

*Typical example at 1 scan/s

Communication cable

Model	HR-1C3UN	HR-1C3UC	HR-1C5UC	HR-1C3RC*1	HR-1C3VC*1	HR-1C3RB*2
Appearance						
Cable type	Straight			Curled		
Cable length	Approx. 3 m 9.84'		Approx. 5 m 16.4'	Approx. 3 m 9.84'		
Interface	USB			RS-232C	PS/2 keyboard	RS-232C
Connector	USB (type A)			D-sub 9-pin (female)	Mini-DIN 6-pin	D-sub 9-pin (female)

*1. Only for use with HR-100/101 (wired type) *2. Only for use with HR-100B/101B (wireless type)

HR-100B/101B options

Model	HR-UC1	HR-PU1
Type	Communication Unit	Desktop holder
Wireless	Standard	—
Rating	Power voltage	4.5 to 5.5 VDC
	Current consumption (with AC adapter)	1000 mA
Charging time (with AC adapter)	Approx. 4.5 hours	
Dimensions	81 × 132 × 101 mm 3.19" × 5.20" × 3.98"	
Weight	Approx. 180 g	



CALL TOLL FREE TO CONTACT YOUR LOCAL OFFICE
1-888-KEYENCE
 1 - 8 8 8 - 5 3 9 - 3 6 2 3

www.keyence.com



CONTACT YOUR NEAREST OFFICE FOR RELEASE STATUS

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