











THE NEXT GENERATION OF HANDHELD CODE READERS















COMMON CHALLENGES FACED BY HANDHELD DPM CODE READERS

SLOW

Reading takes time, which causes operations to fall behind and leads to downed production lines



UNSTABLE

Because reading time is inconsistent, mistakes such as duplicated or skipped reads may occur



VARIABLE

Readings differ from person to person due to varying levels of understanding



DIFFICULT

Figuring out the best settings takes a long time or can sometimes even be impossible



THESE ISSUES AREN'T A PROBLEM FOR THE SR-G100

HIGH-SPEED READING

STABLE READING

EASY OPERATION

EASY CONFIGURATION





HIGH-SPEED READING REGARDLESS OF OPERATOR



WIRELESS COMMUNICATION IMPROVES FLEXIBILITY

Not only does being wireless improve the SR-G100's general flexibility, it also solves various problems that would otherwise be impossible to overcome.



No need to spend time on wiring



No interference from cables



No need to worry about damaged cables



BUILT-IN FUNCTION BUTTON

EASILY CUSTOMIZABLE SETTINGS

Automatic tuning is done simply by pushing the function button and reading a code. Use the device on site without the need to carry around a PC.



Assess stability of reading and communication

- Reading rate testing
- · Radio wave testing



ERGONOMIC SHAPE THAT REINFORCES OPTIMAL POSITIONING **CENTER-OF-GRAVITY DESIGN**

By naturally inducing a flat position, the SR-G100 reduces the impact of variations between users as well as variations in code marking styles. This makes it possible for anyone to read codes consistently and stably.



MULTI-LIGHTING CONTROL FUNCTION

AUTOMATIC SELECTION OF OPTIMAL LIGHTING

Polarizing illumination



Removes glare from metal, black resin, etc

Multi-angle lights + partial lighting



Reads DPM codes on metals including cylinders and cast surfaces























CAPABLE OF HANDLING CHALLENGING CODES

Code correction algorithms, developed for the SR-1000 Series of fixed mount code readers, have been optimized specifically for use with handheld code readers. This allows an ideal balance between reading consistency and speed.



Distorted codes on



Codes marked on



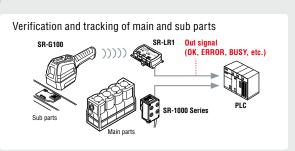
ith projections and depressions

COMPATIBLE WITH VARIOUS COMMUNICATION PROTOCOLS

Support for EtherNet/IP™, PROFINET, and PLC link improves PLC compatibility. This allows for interaction with fixed mount code readers installed on equipment or on production lines. In addition, the OUT signal (OK, ERROR, BUSY, etc.) from the communication unit (SR-LR1) makes synchronization with the PLC even easier.







CUSTOMIZABLE SETTINGS USING EASY CONFIGURATION SOFTWARE

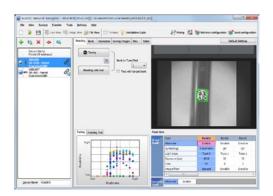
AutoID Network Navigator SR-H6W NEW

Easy connection via USB

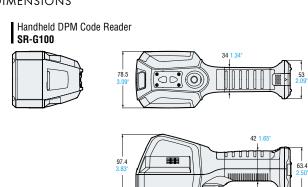
Automatic tuning at the push of a button

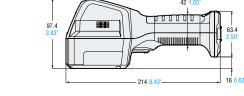
Up to 12 different groups of settings can be stored

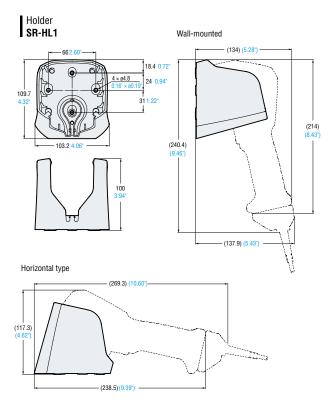
Real-time reading confirmation using Live View

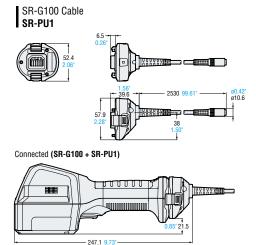


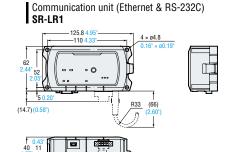
DIMENSIONS

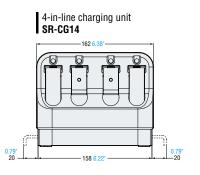


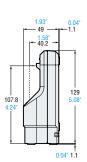












FIELD OF VIEW FOR READING (TYPICAL)

2D code Unit: mm inch				
Distance	Minimum resolution	Horizontal	Vertical	
30 1.18"	0.127 0.005"	45 1.77"	45 2.56"	
70 2.76"	0.25 0.009"	65 2.56"	65 2.56"	
110 4.33"	0.5 0.020"	85 3.35"	85 3.35"	

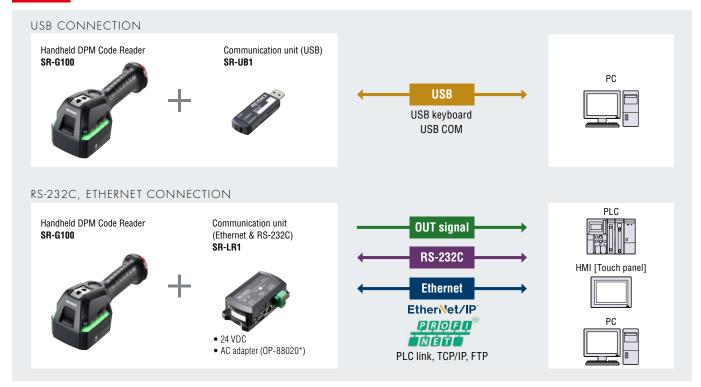
Barcode Unit: mm inch			
Distance	Minimum resolution	Horizontal	Vertical
80 3.15"	0.25 0.010"	99 3.90"	70 2.76"
120 4.72"	0.5 0.020"	127 5.00"	90 3.54"
200 7.87"	1 0.039"	184 7.24"	129 5.08"

QUICK SETUP CODE

Settings on the main unit can be changed using codes created through the setup software.



STEP 1 SELECT A CONNECTION INTERFACE



STEP 2 SELECT A CHARGING/POWER METHOD



^{*} A separate AC cable is required with OP-88020 and SR-CG14 products.



OTHER OPTIONAL ACCESSORIES AND SETUP SOFTWARE





USB cable **OP-51580** SR-G100/SR-LR1 for setup



Setup software SR-H6W



Handheld DPM Code Reader



Model			SR-G100	
Receiver	Sensor		CMOS image sensor	
	Number of pixels		900 x 900 pixels (2D code), 1280 x 900 pixels (Barcode)	
Light emitter	Illumination light source		High-intensity red LED, High intensity blue LED	
	Supported	2D code	QR, MicroQR, DataMatrix (ECC200), GS1 DataMatrix, PDF417, MicroPDF417, GS1 Composite (CC-A/CC-B/CC-C)	
	symbol	Barcode	CODE39, ITF, 2of5(Industrial 2of5), COOP 2of5, NW-7 (Codabar), CODE128, GS1-128, GS1 DataBar, CODE93, JAN/EAN/UPC, Trioptic CODE39, CODE39 Full ASCII, Pharmacode	
Reading specifications	Minimum	2D code	0.127 mm 0.005"	
specifications	resolution	Barcode	0.1 mm 0.004"	
	Focal distance		30 mm 1.18"	
Wireless communication		1	Bluetooth Ver. 2.1 + EDR Class 2	
Communication specifications	Wireless communication	distance	Approx. 10 m 32.81' (line-of-sight)	
specifications	Setup communication		USB 2.0 Full Speed	
	Enclosure rating		IP54	
	Ambient temperature		0 to +45°C 32 to +113°F/ When charging: 0 to +40°C 32 to +104°F	
	Ambient storage tempera	ature	-10 to +50°C 14 to +122°F	
nvironmental	Relative humidity		35 to 95% RH (No condensation)	
resistance	Ambient storage humidit	ty	35 to 95% RH (No condensation)	
	Ambient light		Sunlight: 10000 lux, Incandescent lamp: 6000 lux, Fluorescent lamp: 2000 lux	
	Operating environment		No dust or corrosive gas present	
	Drop resistance*		2.0 m 6.56′, 50 times	
Rating	Power consumption		Approx. 8.5 W	
Dimensions			214×78.5×97.4 mm 8.43*×3.09*×3.83*	
Weight			Approx. 375 g (incl. rechargeable battery pack)	
Continuous usage time (Central value)			Approx. 10 hours (reading count: 10000)	
Charging time			Approx. 4.5 hours	
This is a test value and i	a not quarantood		- ·	

This is a test value and is not guaranteed.

Communication unit (USB)		
Model		SR-UB1
Communication specifications	Wireless communication	Bluetooth Ver. 2.1 + EDR Class 2
	Wireless communication distance	Approx. 10 m 32.81' (line-of-sight)
	USB communication	USB 2.0 Full Speed
	Interface	USB-COM, USB keyboard
	Ambient temperature	0 to +45°C 32 to +113°F
Environmental resistance	Ambient storage temperature	-10 to +50°C 14 to +122°F
	Relative humidity	35 to 95% RH (No condensation)
	Ambient storage humidity	35 to 95% RH (No condensation)
Rating	Current consumption	Approx. 80 mA
Dimensions		20.6 × 11.2 × 65.4 mm 0.81* × 0.44* × 2.57*
Weight		Approx. 15 g
Supported OS		Microsoft Windows 8 Professional or later 32bit/64bit (Except for Windows RT), Microsoft Windows 7 Professional or later 32bit/64bit

Communication unit (Ethernet & RS-232C)

Communication unit (Ethernet & RS-232C)		
Model		SR-LR1
	Wireless communication	Bluetooth Ver. 2.1 + EDR Class 2
	Wireless communication distance	Approx. 10 m 32.81' (line-of-sight)
Communication	DC 0200	9600, 19200, 38400, 57600, 115200 bps
specifications	RS-232C	No-protocol, MC protocol, SYSWAY, KV STUDIO
	Ethernet	IEEE 802.3, 10BASE-T / 100BASE-TX
	Etherner	TCP/IP, FTP, MC protocol, Omron PLC link, KV STUDIO, EtherNet/IP™, PROFINET
	Number of points	3
	Output format	Photo MOS relay
Control output	Maximum rating	30 VDC, 100 mA
output	Leakage current when OFF	0.1 mA or less
	Residual voltage when ON	1 V or less
	Ambient temperature	0 to +45°C 32 to +113°F
Environmental resistance	Ambient storage temperature	-10 to +50°C 14 to +122°F
	Relative humidity	35 to 95% RH (No condensation)
	Ambient storage humidity	35 to 95% RH (No condensation)
Rating	Power voltage / current consumption	24 VDC ±10% / Approx. 120 mA, or use dedicated AC adapter (12 VDC) / Approx. 230 mA
Dimensions		62 × 125.8 × 40 mm 2.44" × 4.95" × 1.57"
Weight		Approx. 160 g

AC adapter

Model	OP-88020
Rated input	100 to 240 VAC, 50/60 Hz
Rated output	12 VDC, 1.5 A max.
Dimensions	104 × 43 × 31 mm 4.09" × 1.69" × 1.22" (excl. cable area)
Weight	Annroy 125 a

[.] Using SR-PU1 or SR-LR1. AC cable required separately.

Setup software (AutoID Network Navigator)

Model	SR-H6W	
Supported OS	Windows 10 Professional or later, 32 bit/64 bit Windows 8 Professional or later, 32 bit/64 bit (Except for Windows RT) Windows 7 Professional or later, 32 bit/64 bit Windows Vista Business/Ultimate SP2 or later, 32 bit*	
Running environment	Processor: 2.0 GHz or better, Memory: 1 GB (32 bit)/2 GB (64 bit), DVD-ROM drive (during installation), Screen resolution: 1024 × 768 or better	

^{*} SR-2000/G100 products do not support Windows Vista.

NET Framework 3.5 SP1 or later installed • Internet connectivity for Windows 8/10 machines with .NET 3.5 installed • Control panel operability for Windows 8/10 machines with .NET 3.5 installed • Control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed of the control panel operability for Windows 8/10 machines with .NET 3.5 installed operability for Windows 8/10 machines with .NET 3.5 installed operability for Windows 8/10 machines with .NET



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