

LP-RC350S

Related Information

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NEW



panasonic.net/id/pidsx/global

FDA
Conforming to
FDA regulations

CE

GB
Conforming to 7247.1

This product is classified as a Class 4 Laser Product in IEC / JIS standards and in FDA* regulations. Never look at or touch the direct laser beam and its reflection.

* This product complies with 21 CFR 1040.10 and 1040.11 Laser Notice No. 50, dated June 24, 2007, issued by CDRH.

Shorter marking times with speeds 1.4 times faster* than before

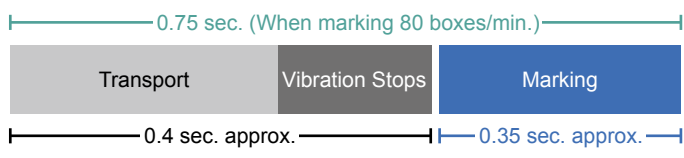
* Compared to the LP-430U when marking a GS1 DataMatrix with a cell size of 0.3 mm 0.012 in

1.4 times faster. High-quality marking even at 80 boxes/min*.

	Cell size	Production rate	Marking time	Production rate	Marking time	Production rate	Marking time
	0.3 mm 0.012 in	60 boxes/min.	0.45 sec.	80 boxes/min.	0.31 sec.	90 boxes/min.	0.25 sec.
Conventional model LP-430U							
			Verifier machine Grade A		Verifier machine Grade F		Verifier machine Grade F
NEW LP-RC350S							
			Verifier machine Grade A		Verifier machine Grade A		Verifier machine Grade B

The quality of GS1 DataMatrix markings is greatly affected by conveyor vibrations and changes in speed, the angles of boxes, and other factors. This is why **marking in a static state** becomes necessary. Increased production speeds depend on how fast transportation and marking of boxes can be completed. Galvano scanners of conventional models could not operate well at high speeds, forcing equipment operators to choose between speed or quality.

We set forth to develop the **LP-RC350S** to mark at speeds 1.4 times faster than conventional models with no loss in quality. In this way, we were able to realize a device that could output high-quality markings at high speeds.



* When marking a GS1 DataMatrix with a cell size of 0.3 mm 0.012 in
* Pre-existing printing on boxes and facility specifications may affect marking results. Always perform marking tests before full operation.

- FIBER SENSORS
- LASER SENSORS
- PHOTOELECTRIC SENSORS
- MICRO PHOTOELECTRIC SENSORS
- AREA SENSORS
- SAFETY LIGHT CURTAINS / SAFETY COMPONENTS
- PRESSURE / FLOW SENSORS
- INDUCTIVE PROXIMITY SENSORS
- PARTICULAR USE SENSORS
- SENSOR OPTIONS
- SIMPLE WIRE-SAVING UNITS
- WIRE-SAVING SYSTEMS
- MEASUREMENT SENSORS
- STATIC CONTROL DEVICES
- LASER MARKERS
- PLC
- HUMAN MACHINE INTERFACES
- ENERGY MANAGEMENT SOLUTIONS
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- MACHINE VISION SYSTEMS
- UV CURING SYSTEMS
- Selection Guide
- FAYb Laser
- CO2 Laser
- Option
- LP-RC350S**
- LP-400
- LP-300

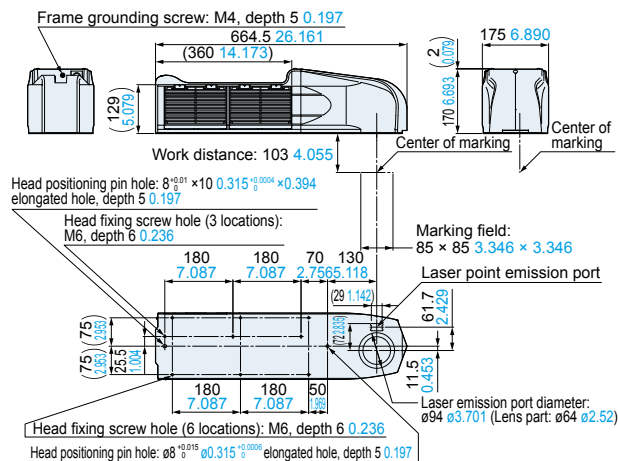
SPECIFICATIONS

Item	Model No.	LP-RC350S
Marking laser		CO2 laser (Wavelength: 10.6 μm 0.417 mil), Class 4 laser
Average output for processing (Note 1)		33 W (±2 W)
Guide laser / pointer		Semiconductor laser (Wavelength: 655 nm 0.026 mil), Class 2 laser, Maximum output: 1 mW
Marking field		85 × 85 mm 3.346 × 3.346 in
Work distance (Note 2)		103 mm 4.055 in
Scan speed		Maximum 12,000 mm/sec. 472.441 in/sec.
Line speed		Maximum 240 m/min. 787.402 ft/min.
Barcodes		Code 39, Code 128 (GS1-128), ITF, NW-7, EAN / UPC / JAN, GS1 DataBar Limited, GS1 DataBar Stacked, GS1 DataBar Limited CC-A, GS1 DataBar Stacked CC-A
2D codes		QR code, Micro QR code, iQR code, DataMatrix, GS1 DataMatrix, PDF417
I/O ports		I/O terminal (40-pin), I/O connector (40-pin)
Interface		EIA-RS-232C, Ethernet
Power supply		190-252 V AC (includes ±5 % voltage fluctuation), frequency 50/60 Hz
Power consumption (Note 3)		1,080 VA or less (5.7 A or less)
Ambient temperature (Note 4)		0 to +40 °C +32 to +104 °F
Ambient humidity		35 to 85 % RH
Net weight		Head: 15 kg approx., Controller: 32 kg approx.
Applicable standards		FDA regulations, CE Marking (Note 5), GB standard, KC-mark
Supported OS (Note 6)		Windows® 10 Pro (32-bit / 64-bit) / Windows® 8 Pro (32-bit / 64-bit) / Windows® 7 Professional (32-bit / 64-bit) SP1

- Notes: 1) Average output power from the laser marker with the maximum laser power setting. (At time of shipping)
 2) There is an approx. ±0.5 mm **0.020 in** individual difference in work distance center position.
 3) The typical value of the inrush current at startup is as follows: (Duration time is 10 ms or less.) At 220 V AC: 100 A
 4) For both controller and head. There should be no condensation or icing.
 5) CE marking directive compliance: Low Voltage Directive, EMC Directive, RoHS Directive
 6) Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

DIMENSIONS (Unit: mm in)

Head



PRECAUTIONS FOR PROPER USE

• This catalog is a guide to select a suitable product. Be sure to read the instruction manual attached to the product prior to its use.

• This product is classified as a Class 4 Laser Product in IEC / JIS / FDA* regulations 21 CFR 1040.10 and 1040.11. Never look at or touch the direct laser beam and its reflection.

• The laser used by this product generates infrared light that is invisible to the human eye. Use particular caution when the laser is operating.

• The following labels are attached to this product. Handle the product according to the instruction given on the warning labels. (Warning labels are not shown in the product photographs in this catalog.)

* This product complies with 21 CFR 1040.10 and 1040.11 Laser Notice No. 50, dated June 24, 2007, issued by CDRH.

Safety standards for laser beam products

• A laser beam can harm human being's eyes, skin, etc., because of its high energy density. IEC has classified laser products according to the degree of hazard and the stipulated safety requirements. The **LP-RC350S** are classified as Class 4 laser.

Overview of classification by IEC 60825-1

Classification	Description
Class 4	Lasers that are also capable of producing hazardous diffuse reflections. They may cause skin injuries and could also constitute a fire hazard.

Safe use of laser products

• For the purpose of preventing user from suffering injuries by laser products, IEC 60825-1 (Safety of laser products). Kindly check the standards before use.

Recommended use of a dust collector

• Depending on the object being marked, harmful gasses or smoke that have a detrimental effect on the human body or the laser marker may be generating during marking. If your application falls under this description, use a dust collector.

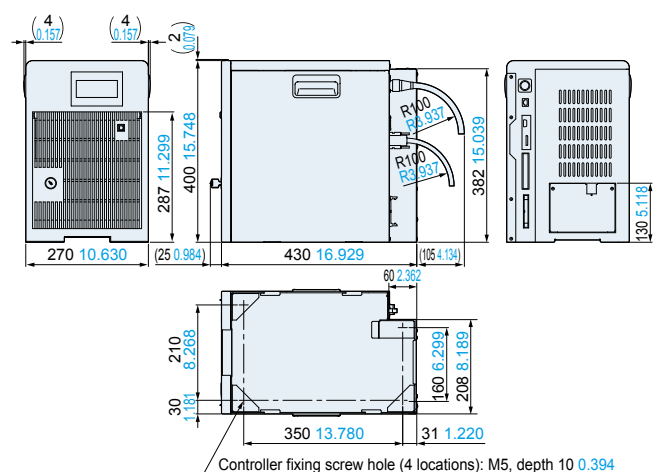
* For more information, contact our office.

Maintenance

- Air filter: Regularly replace the air filter attached to this Laser Marker to maintain cooling effects.
- Laser emission port: Dust or contamination adhering to the laser emission port may affect the marking quality or seriously damage the Laser Marker. Clean the laser emission port regularly.

The CAD data can be downloaded from our website.

Controller



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