LP-V Series / LP-W Series

■ SPECIFICATIONS

Item \ Model	FAYb Laser Marker		
	LP-V10U-C	**LP-V15U-C**	**LP-W052U-C**
Work distance	190mm (note 1)	350mm (note 1)	127mm (note 1)
Marking method	Galvanometer scanning method		
Marking laser	Fibre laser λ = 1.06μm, laser class 4		
Ave. output	12W model		5W model
Max. output	15W (note 2)		7.5W (note 2)
Guide laser, pointer	Semiconductor fibre λ = 650nm, laser class 2		
Max. output	1mW		
Marking range (mm)	90 x 90	160 x 160	55 x 55
Scanning speed	Max. 12000mm/s		Max. 6000mm/s
Line speed	Max. 240m/min. (note 3)		Max. 120m/min (note 3)
Character setting (Height & width)	0.2 to 90mm (adjustable in increments of 0.001 mm)	0.2 to 160mm (adjustable in increments of 0.001mm)	0.2 to 55mm (adjustable in increments of 0.001mm)
Marking spacing (spacing & pitch)	0 to 90mm (adjustable in increments of 0.001mm) Fan-like: +/-180° (adjustable in increments of 0.01°)	0 to 160mm (adjustable in increments of 0.001mm) Fan-like: +/-180° (adjustable in increments of 0.01°)	0 to 55mm (adjustable in increments of 0.001mm) Fan-like: +/-180° (adjustable in increments of 0.01°)
Array of character	Straight line, fan-like, proportional/typewriter fonts, tilted and fan-like		
Type of characters	Capital & small characters, figures, katakana, hiragana, kanji (JIS level 1 & level 2), symbols, user-defined characters (up to 50 types)		
Bar codes	CODE39, CODE128, ITF2/5, NW-7, JAN/UPC/EAN, RSS 14, RSS limited, RSS expanded		
2D codes	QR, Micro QR, Data Matrix (ECC200)		
Logo/shape	BMP / DXF / HPGL / JPEG		
Cooling method	Forced-aired cooling		
Supply voltage	90 to 132VAC or 180 to 264VAC (auto-changing), 50/60Hz		
Power consumption	390VA or less (at 100VAC)		310 VA or less (at 100VAC)
Input	Remote, trigger, encoder (A), encoder (B), shutter control, laser pumping, alarm reset, emergency stop, laser stop, confirmation end, number, timehold		
Output	Power supply (+12V), remote (RS232C, I/O), marking ready, marking, marking finished, laser pumping, warning, alarm, confirmation end, counter finish		
Marking condition	Stationary, (for moving objects)		
Functions	Marking order optimising • correction of intersection • counter marking • current date/time marking • expiry date • lot marking • logos/pictures • bold marking • logo data USB transfer • I/O monitor • system offset • common setting • laser pointer • font select • proportional marking • marking image display • operator adjustment • error code display • work image display • guide laser • power speed setting per line/logo file • step & repeat • time delay • serial data processing & marking • multilayered marking • backup • various processing functions • dual pointer • marking time measurement • font creation/editing • power check/correction		
Emergency stop switch	Provided on the controller		
Ambient temperature	0 to +40°C (no condensation or frost), storage: -10 to 60°C		
Ambient humidity	35 to 85%RH (no condensation or frost)		
Weight	Head: approx. 9kg Controller: approx. 22kg	Head: approx. 10kg Controller: approx. 22kg	Head: approx. 9kg Controller: approx. 22kg

Note 1: The work distance has an individual error of ±2.0mm from product to product.
Note 2: The maximum output refers to a maximum value of laser light output that a laser oscillator can output.
Note 3: The line speed varies depending on the application.