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FIBER

SENSORS LASER SENSORS

PHOTOELECTRIC

SENSORS MICRO PHOTOELECTRIC SENSORS AREA SENSORS

SAFETY

COMPONENTS

PRESSURE SENSORS

INDUCTIVE

SENSORS

PARTICULAR USE SENSORS

SENSOR

WIRE-SAVING

STATIC CONTROL DEVICES

LASER MARKERS

SYSTEMS MEASUREMENT

SENSORS

PROXIMITY

FAYb Laser Marker SERIES

About laser beam..... P.1025~



Marking on metals and coloring on resins now a reality with our new FAYb system!

Marking onto metals and coloring onto resins now a reality

Our "FAYb" oscillation system, that excites a laser beam within the fiber, amplifies and oscillates a pulse, marking onto metals and coloring onto resins, processes that until now were only possible using a YAG laser marker, have been realized.



Selection Guide





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Energy saving design

SC3012STN

Utilizing fiber optic amplification technology to amplify the beam signal, we have realized a high level of efficiency never before seen in conventional models. Our energy saving design enables one-third the power consumption compared to the LD-YAG laser marker in the same class.

Comparison of power consumption



Complete air-cooling

The system uses complete air-cooling without any liquid coolant rendering replacement items such as purified water or ionic exchange resins absolutely unnecessary. This helps reduce labor time and costs associated with replacement and maintenance work.



Long life

Equipped with a long product life LD, the same highly reliable LDs used for submarine cable. Because of the rational excitation method activated only for marking, the LD never needs to be replaced.

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SUNX

MARKING SAMPLES



Lighted switch (Automotive parts)



Driver bits (Tool)

Small size





Tip saw (Tool)

Its wonderfully compact design enables vertical as well as lateral positioning of the head and controller. Because coolant piping is rendered unnecessary, system designing and installation costs can be minimized.



Maintenance-free

Dustproof structure

Because the head's structure does not have an oscillating part, work associated with opening and closing the unit to replace the LD and the lamp is unnecessary. In addition, the LP-F series has a dustproof structure that uses special packing. Stable marking can be maintained.

Alignment unnecessary

The oscillation system does not utilize an optic mirror eliminating the occurrence of beam axis misalignment. Alignment work performed by specialized engineers is also not required even when installing or moving the unit.



Lead frame (Electronic parts)



Coupling (Industrial component)

Safety first

Emergency stop switch

Emergency stop switch has been incorporated on the head and the controller.

In case of emergency, you can immediately stop laser excitation.

Interlock input

Even when pressing on the print start button by mistake. the laser will not be emitted as long as the interlock input is OFF.

- Refer to p.1025~ for laser beam.
- · Please contact our office for details, such as specifications, dimensions, and prices.

Extraordinarily easy to use color LCD equipped console LP-ADP40 (optional)

A color touch panel has been adopted giving first priority to customers' usability. Stress-free operations are possible because marking and setting conditions are quickly displayed.

Equipped with VGA and mouse connectors enabling operation without using the console using a commercially available monitor and mouse.

Higher level operation now possible with our special PC software (optional)

We've made available PC software that enables the creation of original fonts and simple CAD editing as well as making offline marking data.



Metal package (Electronic parts)



WIRE-SAVING SYSTEMS

MEASUREMENT SENSORS

STATIC CONTROL DEVICES

LASER MARKERS

| Selection Guide |
|--------------------|
| FAYb |
| LP-V / LP-W |
| LP-F |
| CO2 |
| LP-400 |
| LP-300 |
| LP-200 |

FIBER SENSORS LASER SENSORS PHOTOELECTRIC SENSORS MICRO PHOTOELECTRIC SENSORS

AREA SENSORS

SAFETY COMPONENTS

PRESSURE SENSORS INDUCTIVE PROXIMITY SENSORS PARTICULAR USE SENSORS