SmartLase® 110i / 110si

CO$_2$ laser coders

Our technology

The compact CO$_2$ laser delivers permanent and basic product coding (text and variable data). This 10 Watt version is the ideal solution for 1 to 3-line applications.

The patented and proven dot matrix technology enables outstanding print speed in its category for a wide variety of lot and date code applications in the food, beverage and personal care industries.

Your benefits

Performance – Dot matrix technology enables high print contrast and output rates up to 650 products/min on a wide variety of materials including chipboard cartons, plastic and glass. Ability to print codes up to 1 meter in length.

Uptime – Patented dot matrix technology for optimal laser performance, increased laser source reliability and reduced operating costs.

Flexibility – Small size and compact configuration. Easy and safe installation on almost any production line with little modification to existing processes. SmartLase® 110si IP56 and a 9.3µm laser wavelength available for more demanding industrial applications.

Simplicity – Ergonomic hand-held interface featuring simple, easy-to-understand icons. User-friendly programming to minimize operator training and reduce errors.

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the team to trust

Print features ▪ ▪ ▪

- Print area (H x W): 51 mm x 80 mm max.
- Lines of print: Unlimited within physical print area (Dependent on character size print area)
- Characters per line: Unlimited within physical print area (Dependent on character size print area)
- Character format: Mixed matrix capability up to 255 x 255 spots
- Character type: Alphanumeric, graphics and symbols
- Character size: Adjustable from 0.5 mm to 51 mm max.
- Image orientation: 0°-360°
- Print aperture orientation: 0°-90°
- Line speed: Up to 90 m/minute (Dependent on number of characters, resolution and substrate)
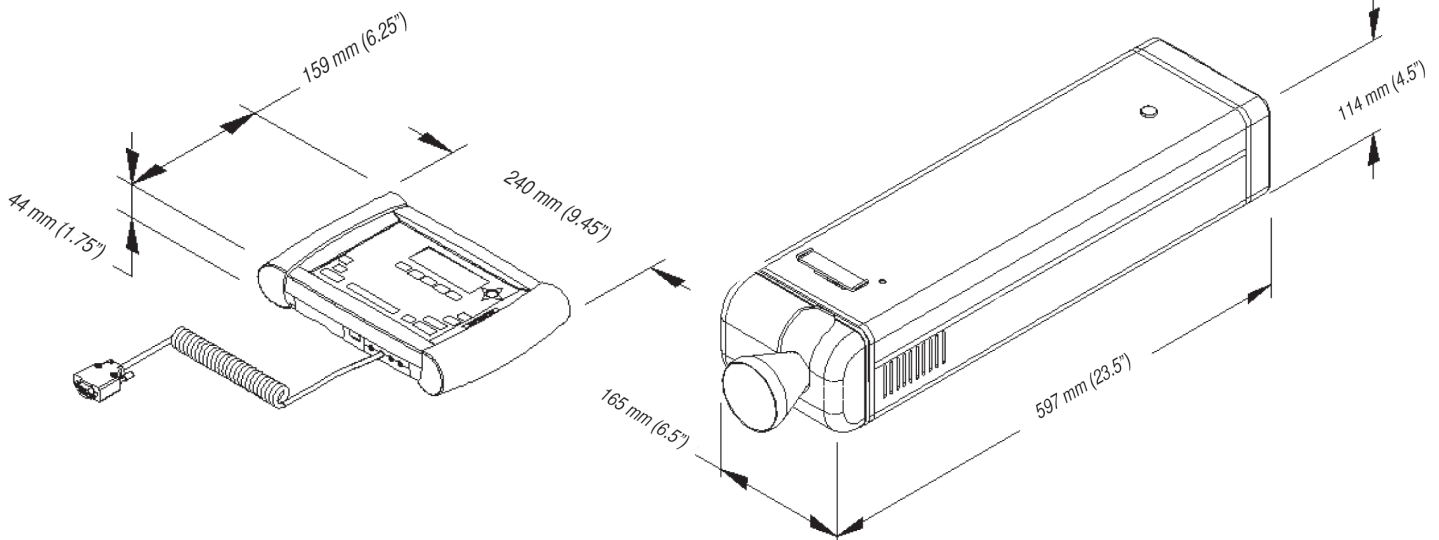
Other characteristics ▪ ▪ ▪

- User interface:
  – Display Type: 1/4 VGA backlit graphics display
  – Resolution: 240 x 320 pixels
  – Input key pad: Membrane QWERTY touch pad
  – Character type: Number pad, navigation keys and graphic character subset.
  – Mode control: Run (auto), Stop (standby) and Demo (manual)
  – Laser intensity: One-touch function key
- SL 110i/110si printer:
  – Laser type: 10 Watt, air cooled RF excited CO2 Laser
  – Protection: IP20 SL110i, IP56 SL110si
  – Dust protection: IP20 No, IP56 Yes
  – Washdown protection: IP20 No, IP56 Yes
  – Operating temperature: 41° to 105° F (5° to 40° C)
  – Connectivity: RS232, standard / Ethernet, optional
  – Input: 100-120/200-240 VAC / 50-60 Hz, 225 Watts max.

Other characteristics ▪ ▪ ▪

- SL 110i printer: Size (H x W x L): 11.4 cm x 16.5 cm x 59.7 cm
  Weight: 10 kg.
- SL 110si printer: All stainless steel. Size (H x W x L): 15.9 cm x 16.5 cm x 69.2 cm
  Weight: 11.4 kg.
- User interface: Size (H x W x L): 15.9 cm x 24 cm x 4.4 cm

Laser radiation

Avoid eye or skin exposure to direct or scattered radiation

Class 4 laser product

Co_2 50 watts

9,200 - 10,800 Nm

Red 650 nm, 5mw

159 mm (6.25")

240 mm (9.45")

44 mm (1.75")

114 mm (4.5")

165 mm (6.5")

597 mm (23.5")

To learn more visit, www.markem-imaje.com

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