

E0X SERIES



General purpose CO2 laser markers for paper, cartons and organic materials

Compact, flexible and easy to set-up, the Datalogic E0X series of CO2 Laser Markers offer permanent, cost effective and high-quality marking on paper, cardboard, wood, glass, plastics, rubber, PCBs (Printed Circuit Boards) and many other substrates.

The laser emission in the mid-infrared range (10.600 nm) ensure intense thermal effect resulting in consistent non-contact, clean, no wearing marks that don't require consumables or maintenance and do not generate any kind of waste.

Datalogic' E0X series of CO2 laser marking systems are designed for easy integration into production lines and automation cells thanks to reduced head dimensions, embedded controller and TCP/IP, EtherNet/IP and Profinet connectivity

E0X Laser marker is available in 10W & 30 W models, with 70 mm and 140 mm square mark field.



FEATURES & BENEFITS

- Extremely long life, sealed, air cooled laser source.
- Built in laser controller with Fieldbus support (TCP/IP, EtherNet/IP, Profinet*)
- Aiming beam and Focus Beam for easy visual setup of new marking jobs
- Integrated 4 step motor axis controller
- Compact size marking head allow the laser to be mounted in any orientation.
- High-resolution, high quality, permanent and consistently crisp codes that assure product traceability and tamper-proofing.
- Powerful easy to use Lighter Software suite
- Consumable-free: no ink, cartridges, ribbons, pins, labels, etc.

**additional license required*

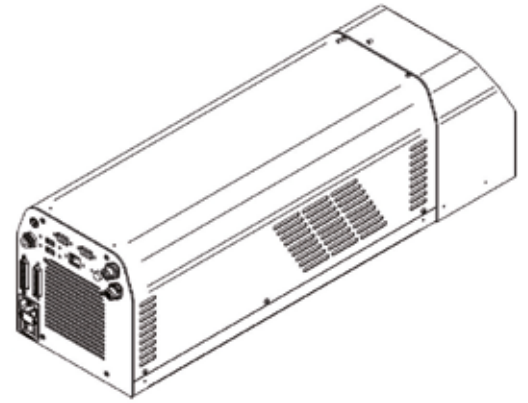


APPLICATION

- Traceability of thermoplastic components in Automobile and industrial electronic
- Coding serialization on electronic PCB
- Serialization in packaging industry

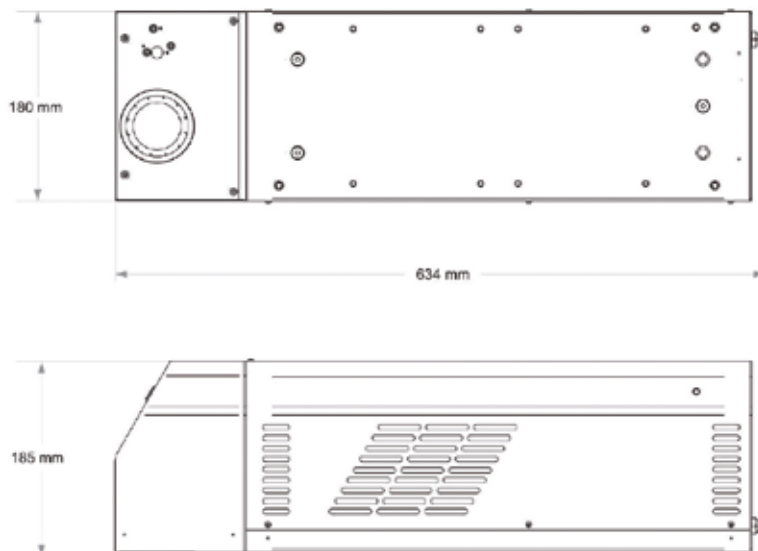
TECHNICAL DATA

	EOX 10	EOX 30
Nomination Power	10W	30W
Wave Length	10.6 μ m	
Laser Source	CLASS 4, CO2 sealed laser tube	
Marking capabilities	Static, on the rotary indexer, on the fly (marking in motion)	
Integration	Built-in 4 axis step motors controller I/O : 10+10 programmable digital inputs and outputs (NPN) dedicated ports for Encoder & Photocell	
Pilot Beam & Focus Finder	2 x 1mW @ 635 nm	
Temperature Range	Operative 15°C to 35°C	
Cooling System	Low noise, Forced air	
Power Supply	100/240 VAC – 50/60 Hz 400W	
Dimension (HxWxL) & Weight	185 x 180 x 634 mm ³ 17 Kg HEAD	185 x 180 x 634 mm ³ - 17 Kg HEAD 89 x 430 x 335 mm ³ - 9 Kg HEAD
Protection Grade	IP 21	



Lens	100mm	200mm
Working distance	100 mm	200 mm
Working area	70x70 mm	140x140 mm

DIMENSIONS



MODEL SELECTION AND ORDER INFORMATION

MODEL	DESCRIPTION	ORDER N°
EOX 6102-1241 CO2 Marker	EOX 10W@10600nm with F100 lens W10	985140021
EOX 6102-1541 CO2 Marker	EOX 10W@10600nm with F200 lens W10	985140022
EOX 6302-1541 CO2 Marker	EOX 30W@10600nm with F200 lens W10	985140023
EOX 6302-1241 CO2 Marker	EOX 30W@10600nm with F100 lens W10	985140024

FDA
Conforming to
FDA regulations

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