



## CO-SERIES CO<sub>2</sub> AP Lasers

The Telesis CO-Series AP Laser Markers, available in two different power levels, the 10W Model CP10AP and the 30W Model CO30AP are excellent choices for many plastic, fiberboard, anodized metal and label marking applications. They are perfect for “Marking-on-the Fly” as well as stationary marking. A 10” LCD touch screen controller is available for embedded applications. The unique 4 position rotatable scan heads can be configured to easily integrate the laser into your application (also available in a linear “straight shooter” marking configuration, and the RF-excited CO<sub>2</sub> tube assures a long life cycle as well with virtually maintenance-free operation. Due to their compact size and modular construction, the CO-Series markers can go almost any place they are needed on the plant floor.



10” Touchscreen LCD

Model C10 Controller



### LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
Wavelength.....	10.6um
Laser Type.....	CO <sub>2</sub>
Marking Head Weight.....	15.0 kg (33.0 lbs.)(10 W) 26.3 kg (58.0 lbs.)(30 W)
Controller Weight.....	8.1 kg (17.9 lbs.)
CW Power CO10AP.....	10 W
CW Power CO30AP.....	30 W
CO10AP.....	90.5(L) x 12.7(W) x 20.6 cm (H) (35.6" x 5.0" x 8.1")
CO30AP.....	86.7(L) x 21.1(W) x 22.7 cm(H) (34.1" x 8.3" x 8.6")
Controller Dimensions.....	42.5(W) x 14.0 (H) x 50.4 cm(D) (16.7" x 5.5" x 19.9")
Input Power.....	100–240 VAC, 50–60Hz
Cooling.....	Air Cooled, Fan/Filter (no water cooling required)
Operating Temperature Range <sup>1</sup> .....	10 – 40°C (50-104°F)

### STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
75 mm.....	50 mm X 50 mm (1.97" X 1.97")
100 mm.....	70 mm X 70 mm (2.76" X 2.76")
150 mm.....	100 mm X 100 mm (3.94" X 3.94")
200 mm.....	140 mm X 140 mm (5.51" X 5.51")

Other lens configurations are available

### MARKING SPEED<sup>2</sup>

- Up to 152 m/minute (500 ft./minute) line speed for “Mark-on-the-fly” applications
- 900 characters/second

### SOFTWARE

Software.....	<b>MERLIN® II LS</b> (see page 23) Optional AMI Operator Interface
Operating System.....	Windows® 2000, Windows XP, Windows Vista™, or Windows® 7 with Desktop PC (Std), Optional Laptop
Communication Interface.....	Serial, TCP/IP, I/O

<sup>1</sup> Extended operational ranges for less than 100% duty cycle. The optimized cooling design provides the best performance at high temperatures available in the market for CO<sub>2</sub> markers.

<sup>2</sup> Character marking speeds and production line speeds depend on material, character size and the desired marking quality.



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DATA MATRIX™ 2-D Code Marking Capability  
Meets all Department of Defense UID Requirements