

The TELESIS CO-Series AP Laser Markers, available in two different power levels, the 10W Model CO10AP 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” USB LCD touch screen controller is available for embedded applications. The unique 3 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 CO₂ tube assures a long life cycle as well with virtually maintenance-free operation. Due to their compact size and modular construction, the CO-Series AP 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 ₂
Average Power (CO10AP).....	Up to 10W
Average Power(CO30AP).....	Up to 30W
Marking Head Weight.....	15.0kg (33.0lbs.)(10W) 26.3kg (58.0lbs.)(30W)
Controller Weight	8.1kg (17.9lbs.)
CO10AP.....	90.5(L) x 12.7(W) x 20.6cm (H) (35.6" x 5.0" x 8.1")
CO30AP.....	86.7(L) x 21.1(W) x 22.7cm(H) (34.1" x 8.3" x 8.6")
Controller Dimensions.....	42.5(W) x 14.0 (H) x 50.4cm(D) (16.7" x 5.5" x 19.9")
Input Power.....	100–240 VAC, 50–60Hz
Maximum Power Consumption CO10AP.....	Less than 480W
Maximum Power Consumption CO30AP.....	Less than 850W
Cooling.....	Air Cooled, Fan/Filter (no water cooling required)
Operating Temperature Range ¹	10–40°C(50-104°F)
Humidity.....	10% to 90% Non-condensing

STANDARD LENS CONFIGURATIONS

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

Other lens configurations are available

MARKING SPEED²

- Up to 152m/minute (500ft./minute) line speed for “Mark-on-the-fly” applications
- Up to 1300 characters/second

SOFTWARE

Software.....	MERLIN® II LS
Operating System.....	Windows® 2000, Windows XP, Windows Vista™, Windows® 7, or Windows® 8 with Optional Embedded, Desktop or Rackmount PC
Communication Interface.....	Serial, TCP/IP, I/O

¹ 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 CO₂ markers.

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