TELESIS
MARK OF CONFIDENCE

CO-Series
CO$_2$ Lasers

The TELESIS CO-Series Laser Markers, available with standard power levels at 60W and 10W and are excellent choices for high duty cycle applications on plastic, rubber, wood, paper, anodized metal and label marking applications. They are perfect for "Marking-on-the Fly" as well as stationary marking. Their RF-excited CO$_2$ 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.

Model C10 Controller

LASER MARKER SPECIFICATIONS

Compliance...CDRH, CE
Wavelength 10.6um
Laser Type...CO$_2$
Average Power (CO10A)...............................Up to 10W
Average Power (CO60).............................Up to 60W
Head Weight.....................................19.1kg (42.0lbs.)(10W)
                                        30.0kg (66lbs.)(60W)
Controller Weight ....8.0 kg (18.0lbs.)
CO10A....................................85.7(L) x 16.5(W) x 22.1cm(H)
                                        (33.7" x 6.5" x 8.7")
CO60.......................................97.1(L) x 21.0(W) x 22.1cm(H)
                                        (38.2" x 8.3" x 8.7")
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 – 60 Hz
Maximum Power Consumption CO10A......... Less than 480W
Maximum Power Consumption CO60 .... Less than 1000W
Cooling...Air Cooled, Fan/Filter
                                        (no water cooling required)
Operating Temperature Range.................15° to 30°C (59° to 86°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 SPEED*

• Up to 152m/minute (500ft./minute) line speed for "Mark-on-the-fly" applications

• 1300 characters/second

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

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

QR Code Web Page Product Link

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