E-Series - EY6DS
Diode-Pumped Solid State Laser

The TELESIS EY6DS marker is based on an advanced Q-switched, fiber-coupled diode end-pumped Nd:YAG laser, which provides high pulse energies and exceptional beam quality for marking, scribing, trim-ming, and other material processing appli-cations. The EY6DS is a completely air cooled, very compact, easily integrated package requiring very little maintenance. With an expected lifetime for the pump diode of over 500,000 hours, down time is dramatically reduced. Because of the modular fiber coupled design, diode replacement can be completed quickly with no need to realign the laser. The EY6DS is an extremely reliable, low cost alternative to other laser markers.

LASER MARKER SPECIFICATIONS

Compliance..CDRH, CE
Wavelength...…1,064nm
Laser Type............................ Fiber-coupled diode end-pumped, Q-switched Nd:YAG Laser
Laser Beam Mode...TEM$_{00}$
Average Power...Up to 6W
Positioning .... Visible Red Diode Light
Optical Fiber Length .... 1.75 meters (5.74 feet) standard
4.75 meters (15.58 feet) optional
Mounting Weight......................................approx. 13.6kg (30lb.)
Marking Head Dimensions ....
30.4(W) x 13.8(H) x 48.2cm(L)
(12.0˝ x 5.4˝ x 19.0˝)
Controller Dimensions...
42.7(W) x 14.0(H) x 48.8cm(L)
(16.8˝ x 5.5˝ x 19.2˝)
Input Power 115/230VAC, 50/60Hz
Max. Power Consumption .... Less than 500W
Cooling .... Air Cooled, active thermo-electric
(no water cooling required)
Operating Temperature Range ....18° to 35°C (65° to 95°F)
Humidity.......................................10% to 85% Non-condensing

STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
100mm	65mm X 65mm (2.56˝ X 2.56˝)
160mm	110mm X 110mm (4.33˝ X 4.33˝)

Other lens configurations are available

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

Model E10 Series Controller
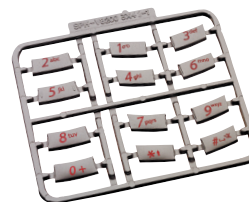
QR Code Web Page Product Link

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