

ZENITH - 10F FIBRE LASERS

Specification Sheet

Dimensions

Laser Head
 118mm W x 170mm H x 302mm L
 Weight 3.8Kg
 Laser Controller - Std. 483mm Rack Mount
 483mm W x 200mm H x 600mm D
 Weight 24Kg

Specifications

Compliance CDRH
 Wavelength 1060Nm
 Laser Type Ytterbium Fiber Laser, Galvo Steered
 Laser Source Diode-pumped, Fiber to Fiber, Pulsed
 Pulse Repetition rate 20 KHz to 125 KHz
 Average Power 10 Watts
 Long term Output Power <5% Peak to Peak instability
 Nominal Peak Power >4KW
 Beam Quality $M_2 < 2$
 Fiber Length 5 metres Std
 Focused Spot Size 20 microns with 100mm lens
 Positioning Visible Red Diode Light
 Marking Speed 300 CPS (Application dependent)
 Input Power Selectable 115VAC/230VAC, 50/60HZ
 Cooling Air Cooled, Fan/Filter No Water required.
 Operating Range 10 to 40deg C
 Recommended Range 16 to 24 deg C
 Expected MTBF (diode) Greater than 20000 hours
 maintenance free

Lens Configurations Available

	Focal Length	Marking Field	Work Clearance
Std	100mm	45mm x 45mm	97mm
Opt	160mm	90mm x 90mm	176mm
Opt	254mm	155mm x 155mm	296mm

Software

Software ProScript® Merlin®
 Operating System Windows™ 2000, XP, Desktop PC (Std) Optional Laptop
 Font Generation True Type Fonts
 Barcodes 2D Data matrix TM, PDF417, BC 39 Interleaved 2 of 5, UPCA/UPCE BC128 Maxi Code, Code 93
 Graphic Formats Raster and Vector
 .BMP, .GIF, .JPG, .WMF, .EMF, .PLT, .DXF
 Serialization Automatic and Manual input Host Interface Capable
 Linear Marking Scalable with Letter Spacing Control
 Arc Text Marking Scalable and Adjustable
 Drawing Tools Line, Rectangle, Circle
 Interface Serial, I/O and Host Capable
 Power Monitoring Self-Calibrating, Output Power Feedback and Auto Adjustment