



## XLS40 – High Speed, Real Time 3-D Laser Sensor

XLS40 is a professional arm-mounted laser sensor for non-contact capture of 3-D geometry. Highly accurate, working at high speed, collects dense three-dimensional samples of object surface. Reflectivity information is recorded with each sample. Light-weight and compact, assisted by advanced functionality is ideal for, reverse engineering and 3-D inspection. Its large depth of field provides for ease of use. With direct FireWire connectivity and is hardware independent.

XLS40 is compatible with MicroScribe (5dof and 6dof) and Romer digitizing arms. Existing units can be quickly retrofitted in the field.

Attractively priced, it packs professional performance, flexibility, and affordability.



### Features:

- Real-time acquisition of 3-D points and reflectivity data
- Real-time shading
- Real-time filtering of unreliable sample points
- On-screen 3-D measurements
- Real time auto-exposure
- IEEE1394 connection
- No power supply required on most PC
- Solid-state, palm-sized, light-weight
- On-board 2-buttons panel for remote control
- On-board light for range alerts
- Editing functionality
- Fast and easy export of point clouds in industry standard formats
- Laptops and desktops operation



### Specifications:

- Speed: up to 38,400 points per second
- Accuracy: up to 0.0015" (38um)
- Point to point distance (min): up to 0.003 (80um)
- Working range: 3–12" (75 – 304mm)
- Laser line: Near 2" - Middle 4" - Far 7.3"
- 670um laser projector, power <1mW
- Weight 12oz (370g)
- Dimensions 4.8x4.4x1.5" (122x111x40mm)
- Operating condition 34° - 104°F ( 0°- 45°C)
- Platform: XP Pro, SP2; 3GHz workstation

