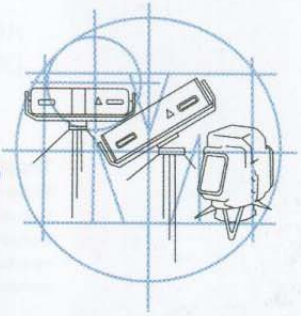
S10/S25
High Accuracy Scanner
The Unique Choice for Detailed 3D Scanning

Features:

- 320°x46° Field of View
- 0.8 - 25 meter range
- up to 100 Points per Second
- Capture Digital Images and Textures
- weight 35.9lbs(16.3kg)
- runs on AC/DC power

The S10 and S25 scanners are the unique choice for accurate capturing of dense sets of point-cloud data and images of room-sized objects in an indoor environment. High versatile, it can be used to scan mechanical parts and cultural artifacts to nuclear and process plants. It is unmatched in it's high accuracy for the range it allows and high resolution capable for any kind of object. Producing high-quality results, the S Series scanners range has a wide panoramic field of view, 320°x46°. Also available in a nuclear version(with pressurized casing), the S Series has been proven to be the best solution for capturing data in hazardous environments (nuclear, mines, etc...).

For post-processing, the easy recognition of scanned data as well as color mapping are provided by capturing color images of objects by the integrated video camera. The S Series scanners are the unique and proven choice for detailed 3D scanning.



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Technical Specifications for S10/S25

General

Instrument Type	High Accuracy Laser Mapping System
User Interface	PC with Windows NT/2000

System Performance

Range For Optimal Use	
S10	0.8 - 10 meters*
S25	2 - 25 meters*
Scanning Speed	up to 100 points per second*
Standard Deviation	
S10	down to 0.21mm
S25	down to 0.6mm
Field of View	Horizontal 46° Vertical 320°
Spot Size	
S10	0.4mm
S25	0.7mm
Luminescence	8 bits
Tripod Mount	360° Rotation -90°/0° inclination

Features

Safety	Class II or IIIb laser**
Laser Power	2.5 mW continuous
Metrology Method	Optical Triangulation
Video	578x726 Color resolution Real-time Video Transmission
Video Snapshot	Yes

Physical

S10	
Dimensions	72cm x 21cm x 28cm
Weight	35.9 lbs. (16.3kg)*
S25	
Dimensions	102cm x 21cm x 28cm
Weight	41lbs. (18.6kg)*

Electrical

Power Supply	
AC	110/120V - 50/60Hz
DC	24V nominal

Environmental

Operating Temperature	0°C to 35°C
Storage Temperature	0°C to 40°C

Standard Accessories

Industrial PC with ScanWorks scanning software
Interface Box
20 Registration Spheres & 1 Calibration Bar
Communications Cable(30 meters)
PC Cable(1.5 meters)
Transport Cases

Nuclear Version

Radiation Resistance - up to 200 RAD (**R**oentgen **A**bsorbed **D**ose)

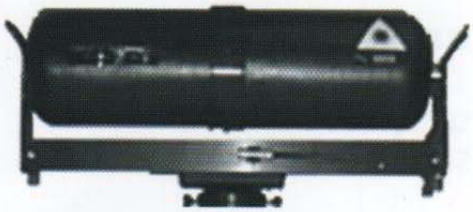
Pressurized Air Casing
*Air Compressor Not Included

Protected by Housing and Glass Shield

*Limitations may apply. All figures are given according to MENSI's testing protocol. Standardized test conditions and statistical data analyses are available from MENSI.

**IEC/EN60825-1:1994

All informations is subject to change without notice.



S10
S25

Mensi ***A Trimble Company***

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