



Laser Measurement (Pty) Ltd

LASER SCANNER

Model LM150S

FEATURES

- Diagonal measuring range: 1,5-35m
- Creates up to 16 virtual lasers
- Direct aiming up to 100 points
- Volumetric scanner
- Rugged and robust housing
- Built in laser pointer for alignment
- Built in dust tubes

OPTIONS

- High mount flange
- Low mount flange



SPECIFICATIONS

Measurement Range

Range 1.5 - 35 m diagonal
 Viewing angle Hemisphere
 Resolution 1%
 Distance measuring accuracy 25 mm
 Volumetric accuracy 1% typical

Update Rate 2 - 3 mins per scan on static surface. Intervals dependant on scheduled time or external trigger switch.

Output

Analog 4 x 4 - 20mA output

Serial RS232

Input External trigger switch

Electric Power

Power Consumption 24 VDC @ 1.5A

Laser Safety

Main laser: Class 1M
 Aiming laser: Class 3R
 EN60825; IEC 825-1:1993
 Caution: Do not stare directly into the laser beam while the laser is running.

Approvals (pending)

Optical

Optical Aperture 100 mm
 Laser Beam Diameter 22 mm
 Receiver Beam Diameter 50 mm
 Beam Divergence <0.2°

Environmental

Operating Temperature + 5°C to +35°C

Electrical Gland Connection Dimensions

2x M20 x 1.5
 2x Cable Gland Supplied

Diameter 127 mm
 Length 841 mm
 Weight 12 Kg

Enclosure

Enclosure material Dual Compartment Powder Coated Aluminium
 Enclosure Rating IP65

Process Connection 4 holes 16.5 Dia. on 160 PCD

Scanner Options:

Volumetric Scanning

- Analog output in m³ or f³
- Volume on solid materials within a vessel regardless of shape

Virtual Lasers

- Up to 16 virtual instruments using multiplexed 4 - 20 mA output
- Up to 4 virtual instruments with their own dedicated 4 - 20 mA output
- Typical application will be multiple exit chutes

Direct Aiming

- Up to 100 direct points on multiplexed analog output
- Typical point and measure applications

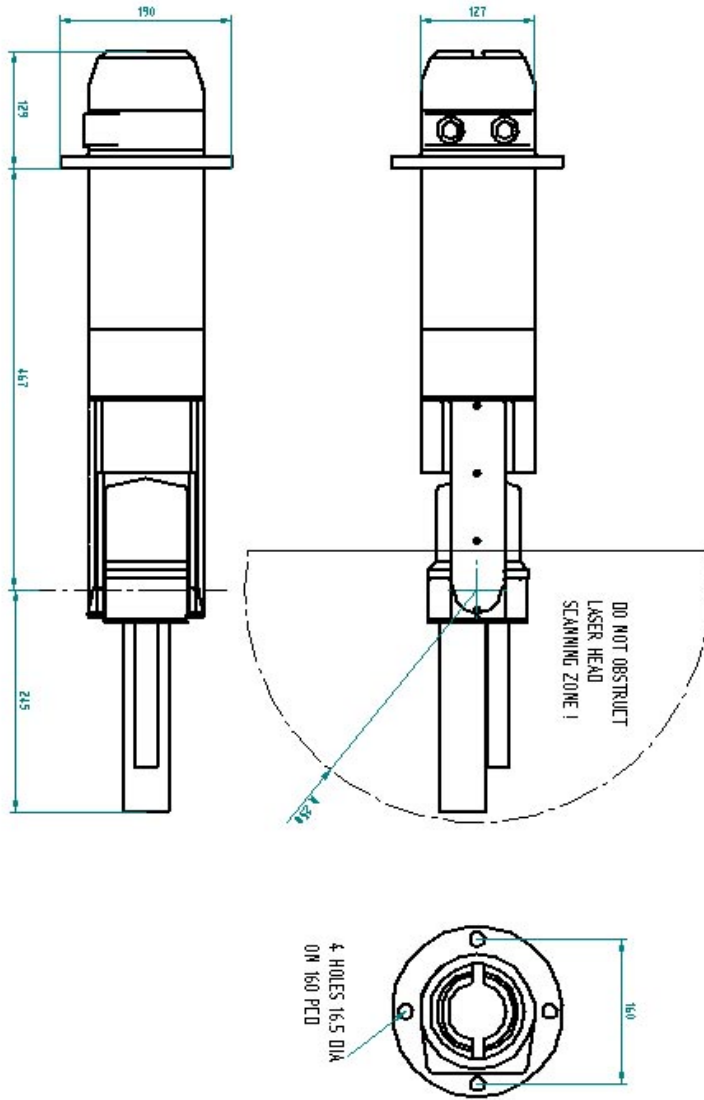
ORDERING INFORMATION:

Code for unit / r :

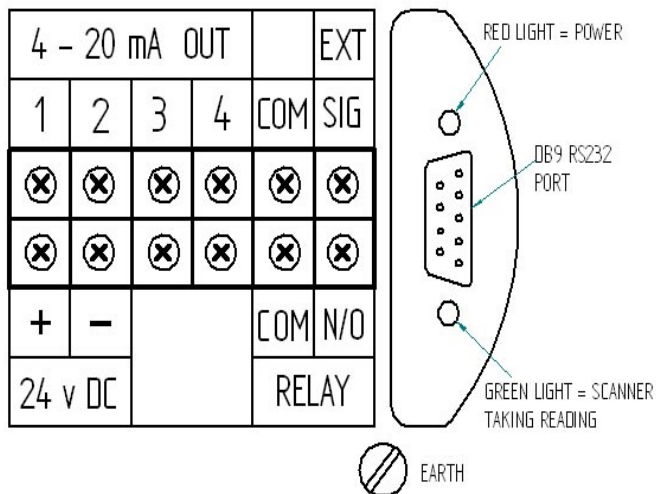
/r Range
 1.5 - 35 m Lasermeter Scanner

Ordering Code
 LM150S

DIMENSIONS



TERMINAL CONNECTIONS



Email: sales@laserm.co.za
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Scanner Rev 1 (03-2006)

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