



# LASER DISTANCE & POSITIONING TRANSMITTER

## Model LM1500

# Laser Measurement (Pty) Ltd

#### **FEATURES**

- Long Range to 1400m
- No Beam Divergence = No False Echoes
- Measures to reflective target (Standard)
- **Rugged and Robust Enclosure**
- **Built-in Laser Pointer**
- No Calibration Required
- No Special Configuration Software Required

#### **OPTIONS**

- **Laser Communication** Device (LCD2)
- **Hand-Held Programmer** (PZ71)
- Com 1
- Stainless Steel Dust Tube and Flange
- **REFL** (reflector target)



LM1500 Shown with Cable Glands

## **SPECIFICATIONS Measurement Range**

Up to 1400 m. Range Resolution +/-100 mm.

**Update Rate** 1.5 sec / reading up to 750m and 3

sec / reading up to 1400m to

1 reading / 60 seconds

Output

4-20 mA, NAMUR Compliant Analog

Isolated or Non-Isolated (field

selectable)

Serial RS232 for Testing, Troubleshooting,

and Configuration

2 SPST Relays Max 60 VDC 1A Switching

Max 220 VAC 5A AC Rating DC Rating Max 60 VDC 1A Electric Power 24 VDC (16-32 VDC)

> 110 VAC (±10% / 50Hz to 60Hz) 220 VAC (±10% / 50Hz to 60Hz)

Power

Consumption

Start Up 6 Watts

Running 0.25 Amp Peak; 0.15 Amp Continuous

Normal

Main laser: Class 1M **Laser Safety** 

Aiming laser: Class 3R EN60825; IEC 825-1:1993

Caution: Do not stare directly into the laser

beam while the laser is running.

FM CL II & III; Div. 1 & 2; Gr. E F, & G, **Approvals** 

IEC DIP A21/22TAT6

(Pending)

## LM1500 Shown with Dust Tubes

#### Optical

**Optical Aperture** 4 in. / 100 mm.

Laser Beam Diameter

Receiver Beam

1.97 in. / 50 mm. 1.97 in. / 50 mm.

Diameter

Beam Divergence <0.2°

#### **Environmental**

Operating Temperature -40° to 150°F / -40° to 65°C

Pressure Atmospheric

**Electrical Gland** 2x M20 x 1.5

Connection 2x Cable Gland Supplied

**Dimensions** 

Diameter 5 in. / 127 mm.

14 in. / 350 mm. Length Weight 10 lbs. / 4.7 kg.

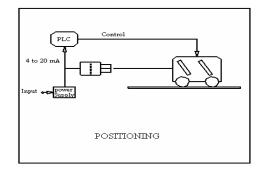
Dual Compartment Powder **Enclosure** 

Coated Aluminum

**IP65 Enclosure Rating** 

**Process Connection** Adaptable to ANSI Flanges 4" /

DIN100 Flanges and Higher



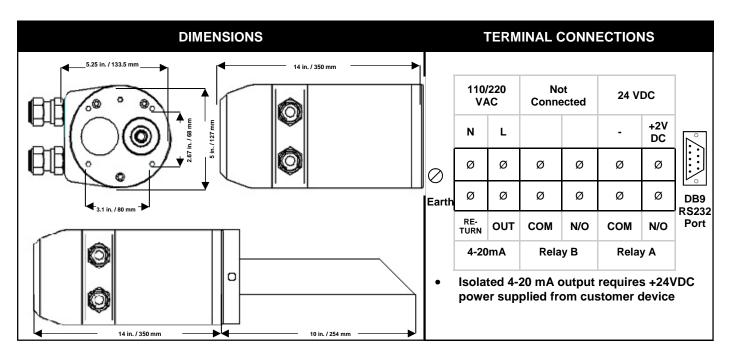
## **ORDERING INFORMATION:**

## LM1500 / r:

/r Range Ordering Code

/A 1 - 750 m LM1500/A /B 1 - 1400 m LM1500/B

AVAILABLE OPTIONAL ITEMS:	
REFL	Reflector: 36" x 36" / 1 m x 1 m (Optional)
TUB3	<b>Dust Tubes:</b> 316/316L Stainless Steel Includes mounting flange (Standard)
FLG	Custom made at additional cost
LCD2	Laser Communication Device for programming and demo purposes
PZ71	Hand held programmer with Communication Software and Cable. Current Model: Palm Zire71 (Consult factory for model availability)
COM1	Communication cable to PC, laptop or handheld for programming and data logging





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