



LASER DISTANCE, LEVEL & POSITIONING TRANSMITTER

Model LM200

Laser Measurement (Pty) Ltd

FEATURES

- Long Range to 394 ft. / 120 m on level and 1150ft. / 350m on reflector
- No Beam Divergence = No False Echoes
- Measures any Surface at any Angle or reflective target for positioning applications
- Rugged and Robust Enclosure
- Built-in Laser Pointer
- No Calibration Required
- No Special Configuration Software Required

SPECIFICATIONS

Measurement Range

Range Up to 394ft. / 120 m. level and 1150ft. /

350m on reflector

Resolution 0.4 in. / 10 mm. Accuracy \pm 1 in. / 25 mm.

Update Rate 3 readings / sec on level

1 reading / sec on positioning over 175m 1 reading /1.5 sec on positioning over 350m

Output

Analog 4-20 mA, NAMUR Compliant

Isolated or Non-Isolated (field selectable)

Serial RS232 for Testing, Troubleshooting, and

Configuration

Switching 2 SPST Relays Max 60 VDC 1A

AC Rating Max 220 VAC 5A
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 Normal 0.25 Amp Peak; 0.15 Amp Continuous

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

IEC DIP A21/22 IP65 TAT4

OPTIONS

- Dust Tubes & Flange
- Laser Communication Device (LCD2)
- Hand-Held Programmer (PZ71)
- Com 1
- Reflector board (REFL)



LM200 Shown with Cable Glands

LM200 Shown with Optional Dust Tubes



Optical

Optical Aperture 4 in. / 100 mm.

Laser Beam Diameter 1.97 in. / 50 mm. Receiver Beam Diameter 1.97 in. / 50 mm.

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.

Length 12 in. / 300 mm.

Weight 9.9 lbs. / 4.5 kg.

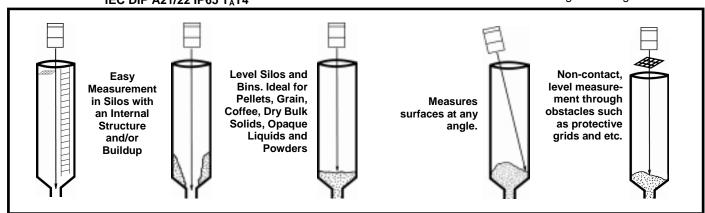
Enclosure Dual Compartment Powder Coated

Aluminum

Enclosure Rating IP65

Process Connection Adaptable to ANSI Flanges 4" /

DIN100 Flanges and Higher

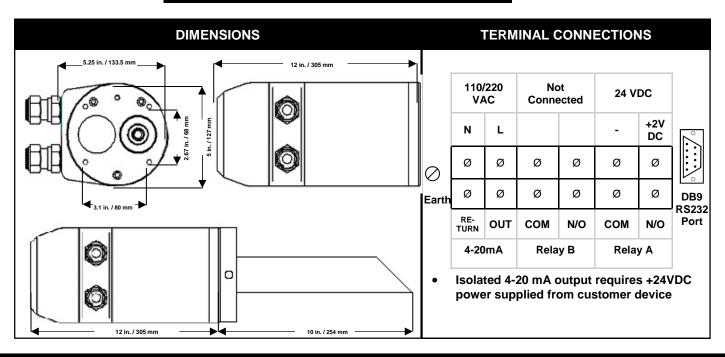


ORDERING INFORMATION:

LM200/r:

/r	Range		Ordering Code
/L/	20	0.5 - 20 m	LM200/20
	40	0.5 - 40 m	LM200/40
	60-120	0.5 - 120 m	LM200/60-120
/P	175	0.5 - 175 m	LM200/175
	350	0.5 - 350 m	LM200/350

	AVAILABLE OPTIONAL ITEMS:	
REFL	Reflector: 36" x 36" / 1 m x 1 m	
REFS	Reflector: 20" x 20" / 50cm x 50cm	
TUB3	Dust Tubes: 316/316L Stainless Steel Includes mounting flange	
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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