

Laser Measurement (Pty)

LOW COST LASER LEVEL & DISTANCE TRANSMITTER

Model LM80/P

FEATURES

- Long Range to 150 m on reflector
- No Beam Divergence = No False Echoes
- Measures off reflective target
- Rugged and Robust Enclosure
- Built-in purge port
- Last Pulse Detection for Measurment with Light and Moderate Dust
- Automatic Color Compensation
- Visible aiming laser

OPTIONS

- Flanges
- Dust Tube
- Reflector Board (REFS)
- Laser Communication
 Device (LCD2)
- Hand-Held Programmer
 (Balas 274)
- (Palm Z71)Built-in heated glass



LM80 Shown with Cable Gland



SPECIFICATIONS

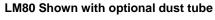
Measurement Range

Range	Up to 328ft / 150 m
Resolution	0.4 in. / 10 mm.
Accuracy	± 1 in. / 25 mm.
Update Rate	3 readings / second - up to 80 m and 1.5 readings / second - 80 - 150 m up to 1 reading / 60 seconds
Output	
Analog	4-20 mA, NAMUR Compliant Active, Self Powered
Serial	RS232 for Testing, Troubleshooting, and Configuration
Switching	2 SPST Relays
AC Rating	Max 1A resistive @ 120 VAC and 0.5A @ 250VAC
DC Rating InductiveLoad	Max 1A @ 60VDC, 60W Max 1A @ 120 VAC
InductiveLoad	Max TA @ 120 VAC
Electric Power	24 VDC (18-32 VDC)

Power Consumption

Start Up 6 Watts

0 Walls
0.4 Amp Peak ; 0.2 Amp Continuous
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.
FM CL II & III; Div. 1 & 2; Gr. E, F, & G, DIP
IEC DIP A21/22 IP66 T _A T6
CSA CL II & III, Div. 1 & 2, Gr. E, F & G, DIP
ATEX II D ZONE20/21/22 (Pending)

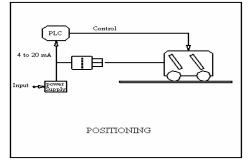


Optical						
Optical Aperture	3 in. / 90 mm					
Laser Beam Diameter Receiver Beam Diamete						
Beam Divergence	<0.2°					
Environmental						
Operating Temperature	-40° to 150°F / -40° to 65°C					
Pressure	Atmospheric					
Electrical Gland Connection Dimensions	M20 x 1.5					
Diameter	4.3 in. / 110 mm					
Length	6.9 in. / 175 mm					
Weight	3.25 lbs. / 1.5 kg.					
Enclosure	Dual Compartment Powder Aluminum					
Enclosure Rating	IP65					

Enclosure Rating Process Connection

Adaptable to ANSI Flanges 4" / DIN100 Flanges and Higher

Coated



ORDERING INFORMATION:

LM80 / o :

- o/r Application
- /S/r Standard/range A 0.5m 75m Standard/range B - 0.5m - 150m

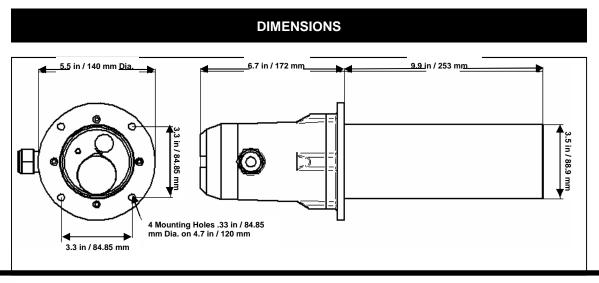
Ordering code LM80/S/75 LM80/S/150

LM80/C/75

LM80/C/150

/C/r Hotglass (Anti-condensation)/range A - 0.5m - 75m Hotglass (Anti-condensation)/range B - 0.5m - 150m

	AVAILABLE OPTIONAL ITEMS:	1						
TUB_LM80	Dust Tube: Powder coated mild steel							
REFS	Reflector Board for positioning applications 0.5m x 0.5m							
FLG	Custom made at additional cost							
LCD2	Laser Communication Device for programming and demo purposes		Earth				0v	24v
	\circ		ÇOM	Α	В	4-20 OUT	СОМ	+
COM 1	Communication cable to PC, laptop or handheld for programming and data logging		Ø	Ø	Ø 	ø	Ø	Ø
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