



LASER DISTANCE, LEVEL
TRANSMITTER

Model XP150

Laser Measurement (Pty) Ltd

FEATURES

- Range to 150 ft./ 40 m on level
- No Beam Divergence = No False Echoes
- Measures any Solid Surface at any Angle
- Rugged and Robust Enclosure
- Built-in Laser Pointer
- Explosion proof
- No Special Configuration Software Required
- USET - User Selectable, Application Specific Programs

OPTIONS

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



SPECIFICATIONS

Measurement Range

Range	Up to 150ft. / 40 m. on level
Resolution	0.4 in. / 10 mm.
Accuracy	± 1 in. / 25 mm.
Update Rate	3 readings / sec on level

Output

Analog	4-20 mA, NAMUR Compliant Isolated & Self-powered
Serial	RS232 for Testing, Troubleshooting, and Configuration
Communication	Lascom (HART Type modem)
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) or 110/220 VAC

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	Exd IIC T6 (Zones 1 & 2)

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°

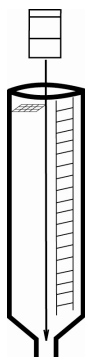
Environmental

Operating Temperature	-20° to 60°C
Pressure	Atmospheric

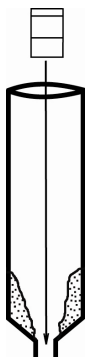
Electrical Gland Connection	2x M20 x 1.5 (110/220 V version) 1x M20 x 1.5 (24V version) 2x Cable Gland Supplied
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Dimensions

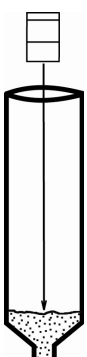
Diameter	4.33 in. / 110 mm.
Length	13.07 in. / 332 mm.
Weight	4kg.
Enclosure	Dual Compartment Powder Coated Aluminum
Enclosure Rating	IP65
Process Connection	3" NPT Thread



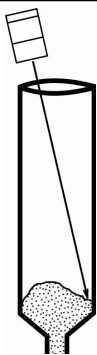
Easy
Measurement
in Silos with
an Internal
Structure
and/or
Buildup



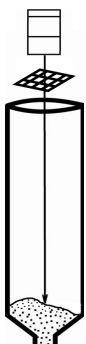
Level Silos and
Bins. Ideal for
Pellets, Grain,
Coffee, Dry Bulk
Solids, Opaque
Liquids and
Powders



Measures
surfaces at any
angle.





Non-contact,
level measure-
ment through
obstacles such
as protective
grids and etc.



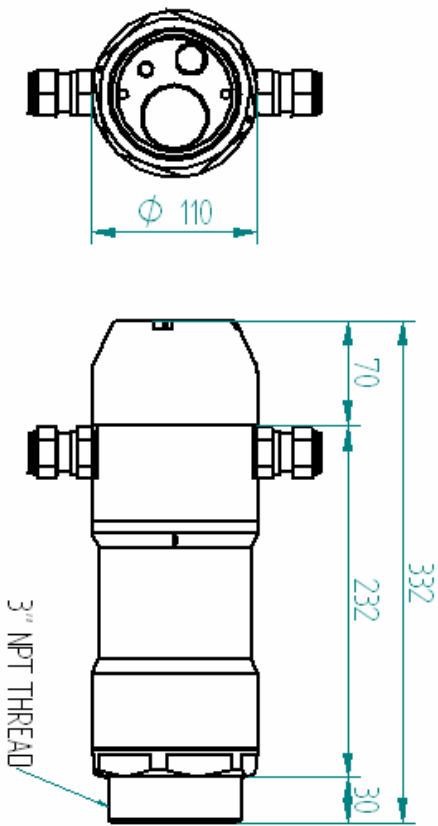
ORDERING INFORMATION:

XP150 / r :

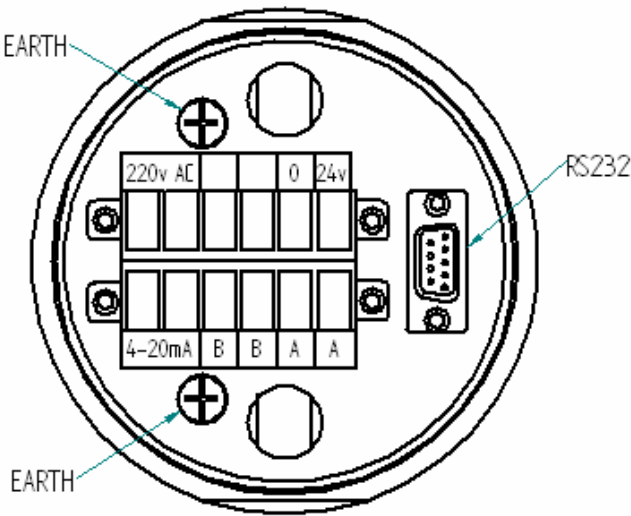
/r	Range	Ordering Code
/40	400.5 - 40 m	XP150/40

AVAILABLE OPTIONAL ITEMS:	
TUB	Dust Tubes: Custom made
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

DIMENSIONS



TERMINALS



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