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SSXP

LASER LEVEL TRANSMITTER

Laser Measurement (Pty) Ltd

Model SS XP

FEATURES

- Range up to 15 m.
- No Beam Divergence = No False Echoes
- Measures Any Surface at Any Angle
- Explosion Proof Enclosure
- No Special Configuration Software Required
- No Calibration Required
- 1/8" NPT Air Purge Port
- On Board Help Menu

OPTIONS

- Mounting Flange
- Hand Held Programmer (PZ71)
- Dust Tube
- Com 1



SPECIFICATIONS

Measurement Range

Range	1 to 50 ft. / 0.3 to 15 m.
Resolution	0.6 in. / 1.5. cm
Accuracy	± 1.2 in. / ± 3.0 cm.
Update Rate	1 reading / second to 1 reading / 250 seconds

Output

Analog	4-20 mA, Self-Powered NAMUR Compliant
Serial	RS232 for Testing, Troubleshooting, and Configuration
Electrical Power	24 VDC (16 to 32 V)

Power Consumption

Start Up	300 mA at 24 VDC
Running Normal	100 mA at 24 VDC

Laser Safety

Class 1 Eye Safe, ANSI 136.1 - 1986
BSI BS7 197:1989

Approvals

IEC Ex d IIB + H₂T4 and DIP A21 T_A T4 IP65
 XP CI I, Div 1&2, Gr A,B,C,D T6@Ta=XX°F
 DIP CI II, Div 1&2, Gr E,F,G CI III
 I/1/AEx d IIC T6@Ta=XX°F
 XP CI I, Div 1&2, Gr A,B,C,D T6@Ta=XX°C
 DIP CI II, Div 1&2, Gr E,F,G, CI III
 I/1/Ex d IIC T6@Ta=XX°C (Pending)

SS XP shown with optional Dust Tube

Optical

Optical Aperture	2.4 in. / 60 mm
Laser Beam Diameter	0.4 in. / 10 mm
Receiver Beam Diameter	2 in. / 50 mm
Beam Divergence	<0.2°

Environmental

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

Electrical Gland

Connection M20 x 1.5

Dimensions

Diameter	4.2 in. / 105.5 mm
Length	7.2 in. / 184 mm
Weight	5.5 lbs. / 2.5 kg. (Aluminum Enclosure) 13.4 lbs. / 6.0 kg. (SS Enclosure)

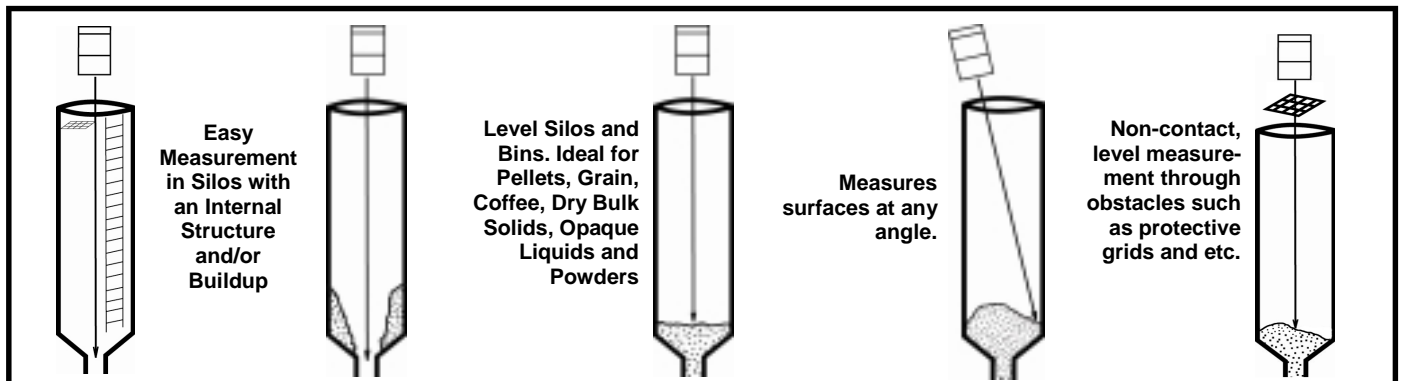
Enclosure

Dual Compart. Powder Coated Aluminum
 - or -
 Dual Compartment Stainless Steel
 IP67 / NEMA4X

Enclosure Rating

Process Connection

Adaptable to ANSI 3" /
DIN80 Flanges and Higher



ORDERING INFORMATION

SSXP/r:

/r Range

10 0.5 - 10m

15 1 - 15m

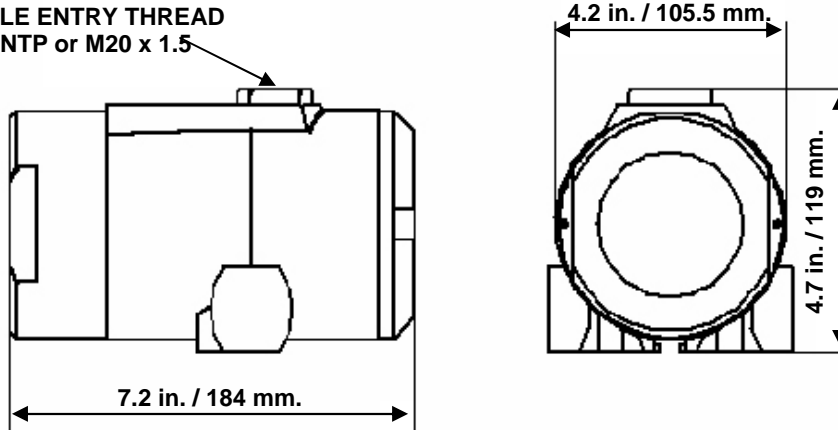
Ordering code

SSXP/10

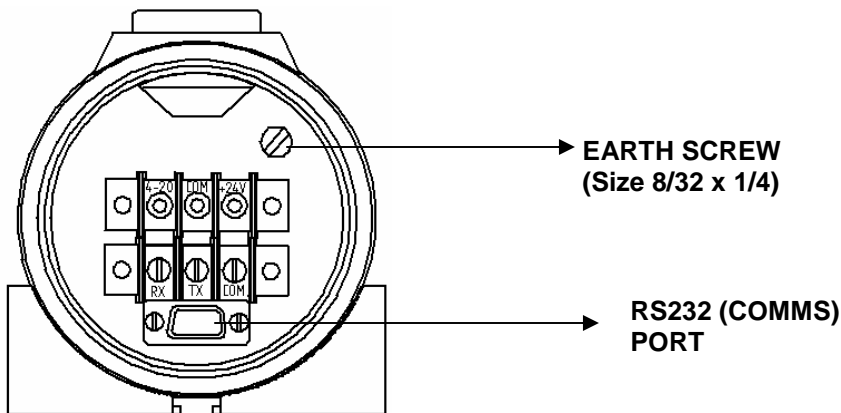
SSXP/15

DIMENSIONS


CABLE ENTRY THREAD
1/2" NTP or M20 x 1.5



TERMINAL CONNECTIONS



AVAILABLE OPTIONAL ITEMS:

TUBXP	Dust Tube: Stainless Steel
FLGXP	Custom made at additional cost
PZ71	Hand held programmer with Communication Software and Cable. Current Model: Palm Zire71 (Consult factory for model availability) 
COM 1	Communication cable to PC, laptop or handheld for programming and data logging



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