



SURESHOT™

LASER LEVEL TRANSMITTER

Model SureShot 50

FEATURES

- Light Weight, Low Cost, Corrosion Resistant
- Dust Penetration Software
- No Calibration Required
- No Special Configuration Software Required
- Configurable via RS-232 with PC or PDA
- Field Upgradable Software via ISP/IAP Flash
- All Menus in PDA Screen Format
- PVC Integral Dust Tube
- 1/8" NPT Air Purge Port
- On Board Help Menu

APPLICATIONS

- Pellets (Converters)
- Slurries
- Opaque Liquids
- Bins & Silos

OPTIONS

- Flanged Process Connections
- Adjustable Mounting Bracket
- Hand Held Programmer



SureShot 50 shown with PVC dust tube. (316 Stainless Steel dust tube is optional.)

SPECIFICATIONS

Measurement Range	1 to 50ft / 0.3 to 15m
Resolution	0.6in / 1.5cm
Accuracy	+/- 1.2 in. / +/- 3.0 cm
Update rate	1 reading / second to 1 reading / 250 seconds
Output	
Analog	4-20mA, non-isolated, self-powered NAMUR Compliant
Serial	RS-232 for test, troubleshooting & configuration.
Electrical Power	24VDC (± 20%)
Power Consumption	
Start up	300mA at 24 VDC
Running normal	100mA at 24VDC
Laser Safety	Class 1 Eye Safe ANSI Z136.1-1986 BSI BS7192:1989

Optical

Optical aperture	2.4in (60mm)
Laser beam diameter	0.4in (10mm)
Receiver beam diameter	2 in (50mm)
Beam Divergence	<0.2°

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

Electrical Connection 5 pin multiple core cable shielded with IP65 Quick Disconnect
16 ft. / 5 m Standard

Dimensions

Diameter	5.25in x 5.5in (134mm x 140mm)
Weight	2.8lbs (1.3kg)

Enclosure

Polypropylene
One 1/8" FNPT purge port

Process Connection

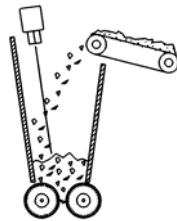
Adaptable to ANSI Flanges 4" and higher, DIN 100 and higher
304 or 316 SS or PVC Material

Approvals

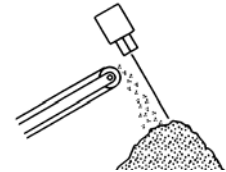
General Purpose Only



LEVEL IN BINS & SILOS



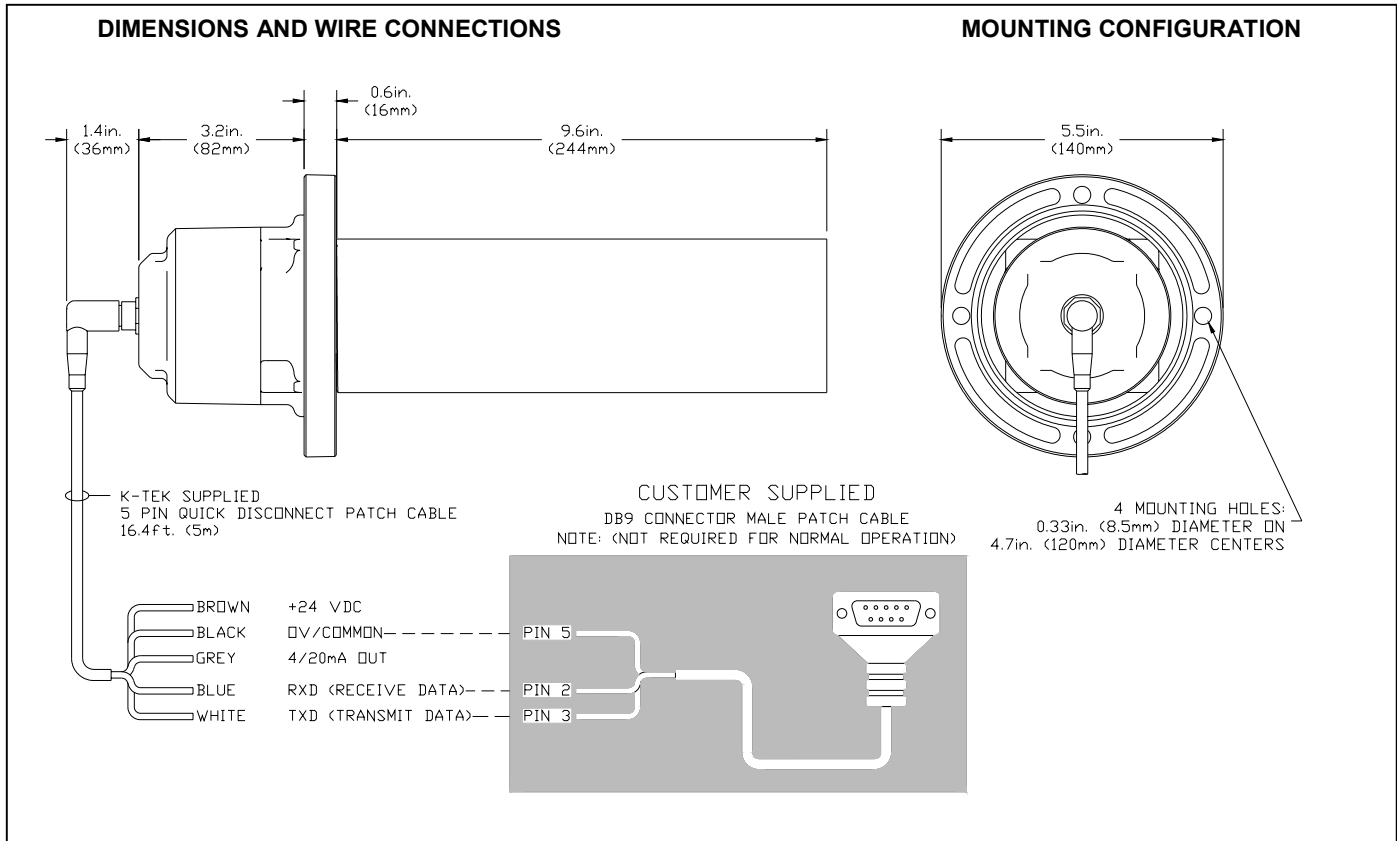
LEVEL CONTROL IN ROLLER CRUSHER



PROXIMITY SENSING FOR STACKERS & RECLAIMERS

ORDERING INFORMATION

SureShot 50/ Standard Laser with PVC Dust Tube Only



ACCESSORIES: Order Separately

- TUB3** 316 Stainless Steel Dust Tube
- CIM** Communication Interface Module - Allows RS-232 accessibility to advanced programming menus (required for setup and programming). CIM is shipped with DB9 female patch null modem RS-232 cable.
- FLG** Specify from adapter table at right. →
- PDA** PDA with Palm OS communication software
Current Model: Palm M130 (Consult factory for available model.)
- ADJ2** Adjustable Mounting Bracket
- VCM** Vibration Control Mount (Each SureShot™ requires (4) VCM units.)

Most Common Sizes	
ANSI	DIN
FLG/SS4/4"	FLG/SS4/DIN100
FLG/SS6/4"	FLG/SS6/DIN100
FLG/SS4/6"	FLG/SS4/DIN125
FLG/SS6/6"	FLG/SS6/DIN125

