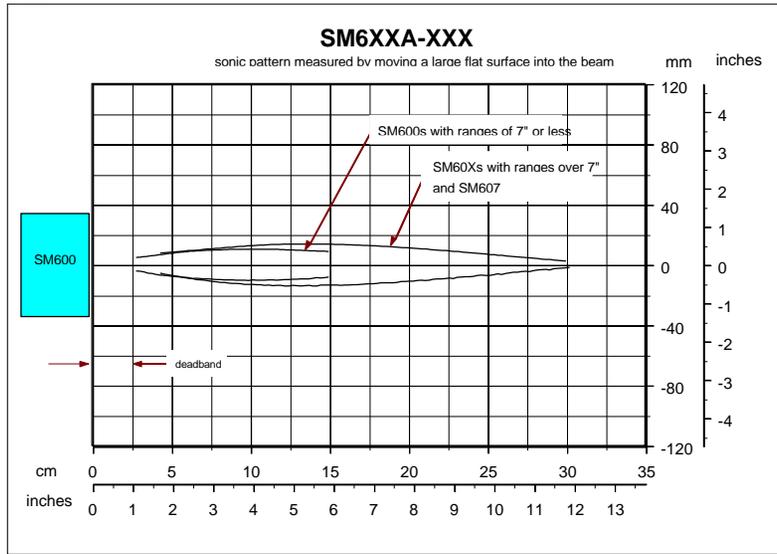


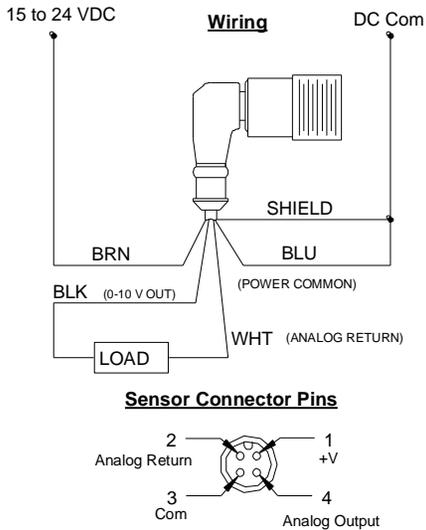
Beam Plot



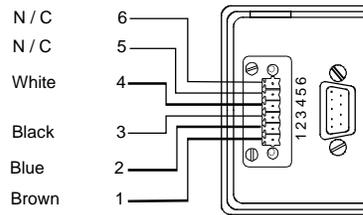
Mounting / Alignment

Mount the sensor so that the sensor face is parallel to the liquid or material surface and free of air currents. Mount the sensor firmly to avoid vibration.

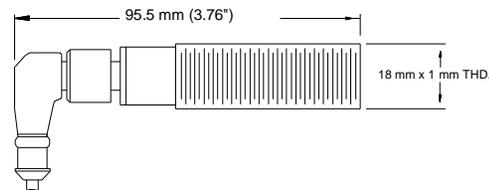
Wiring Connections, Connector Model



AC441A Connections



Dimensions

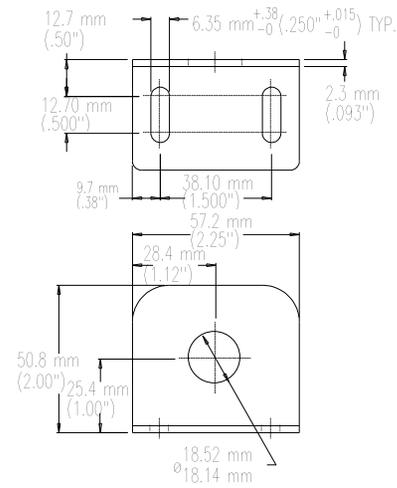


Accessories

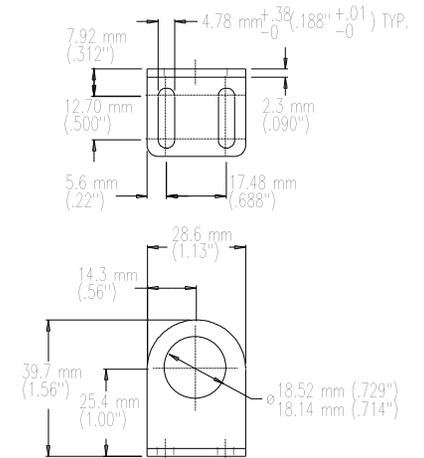
Model AC119
Model AC129
Model AC226
Model AC227
Model AC228
Model AC441

Rt. Angle Connector Cable - 5 meters (16 ft.)
Straight Connector Cable - 5 meters (16 ft.)
Conveyor Rail Clamp/Bracket Set
Mounting Bracket, Large (ACxxx Retrofit)
Mounting Bracket, Small
Handheld Configurator

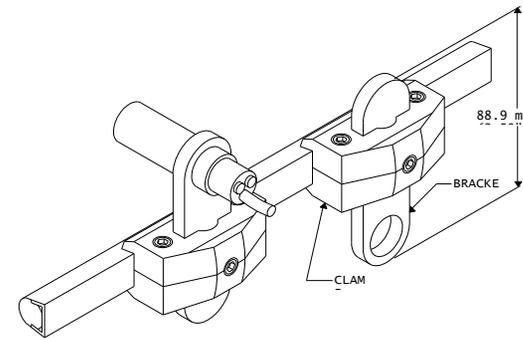
Mounting Bracket Dimensions



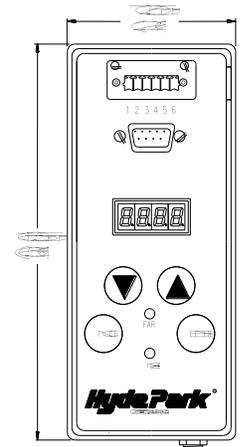
AC227



AC228



AC226 (1 CLAMP & 1)



AC441A - Handheld Configurator

General Specifications

Power Supply:

Supply: + 15 to 24 VDC @ 50 mA max
 Protection: ESD and reverse-polarity

Analog Output:

Output Voltage: 0 Volt (minimum) to 10 Volts (maximum)
 Output Resolution: 9.77 mV (millivolts)
 Output Load: 1000 ohms (minimum)
 Protection: Short-circuit to common and ESD

Operating Temperature:

@ 15 VDC supply 0 to 60°C (32°F to 140°F) @ 100% relative humidity
 @ 24 VDC supply 0 to 50°C (32°F to 122°F) @ 100% relative humidity

Sensing:

Maximum far limit: 254.0 mm (10.00 in.)
 Resolution, object position, worst case: ± 0.69 mm (0.027 in.)
 Repeatability: ± 0.69 mm (0.027 in.)
 Minimum object area, flat smooth: 40 mm² (0.027 in.) @ 152 mm (6.0 in.) distance
 Minimum object diameter: 1.6 mm (0.06 in.) @ 152 mm (6.0 in.) distance
 Maximum plane-reflector angle: ± 10°
 Sonic Cone Angle: 7°

Sensor Dimensions:

Threads: 18 mm x 1 mm
 Length: 64.7 mm (2.55 in.)

Sensor Cable:

Model No. AC119 - 5 meters (16 ft.) rt. Angle
 Model No. AC129 - 5 meters (16 ft) straight
 (Must be purchased separately)

Sensor Materials:

Housing: PEI
 Transducer face: FDA approved silicone rubber
 Cable: Non-toxic PVC jacket
 LED: Polycarbonate

Sensor Environmental Ratings:

NEMA 4X (Indoor Use Only) 5, 12, 12K, 13, and IP67

Installation/Overvoltage Category: II

CE Mark Compliant: Declaration of conformity available upon request.

This Product is UL Listed if powered by a Class II Power Supply and protected by a 2.0A Max UL Listed Fuse

SUPERPROX[®]

SC656A-BV0

Ultrasonic Analog Output Sensor

18 mm Diameter, Reconfigurable Sensor

Maximum Far Limit Distance 254.0 mm (10.00 in.) from Sensor Face

HydePark
 Sensors for the Real World



LISTED
 IND. CONT. EQ.
 3KYC
 SUPPLY CLASS 2
 FUSE 2A UL LISTED

OPERATOR INSTRUCTIONS

This self-contained, ultrasonic proximity sensor is capable of sensing most objects within its sensing range (Fig.1). Objects that are transparent, opaque, plastic, glass, metal, liquid or solid can be detected if located within the sensing window. Sensor is reconfigured using the AC441A handheld configurator and the SUPERPROX+ configuration software.

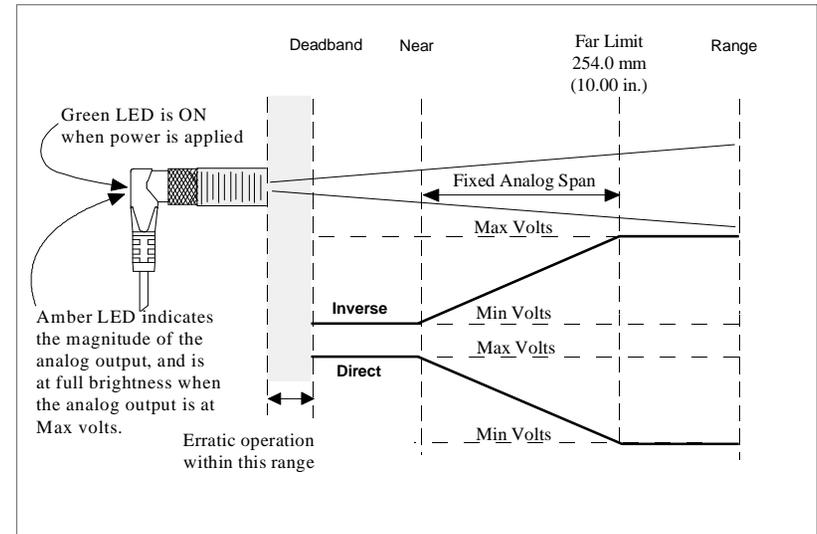


Figure 1

LIMITATIONS AND EXCLUSION OF WARRANTIES

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HYDE PARK ELECTRONICS LLC

1875 Founders Drive
 Dayton, Ohio 45420-4017
 Phone (937) 252-2121 Fax (937) 258-5830
 Email: help@sesensors.com
 Web Site: <http://www.sesensors.com>

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⚠ WARNING

UNINTENDED OPERATION

Do not use this product to detect objects within the deadband.

Failure to follow this instruction can result in death, serious injury or equipment damage.