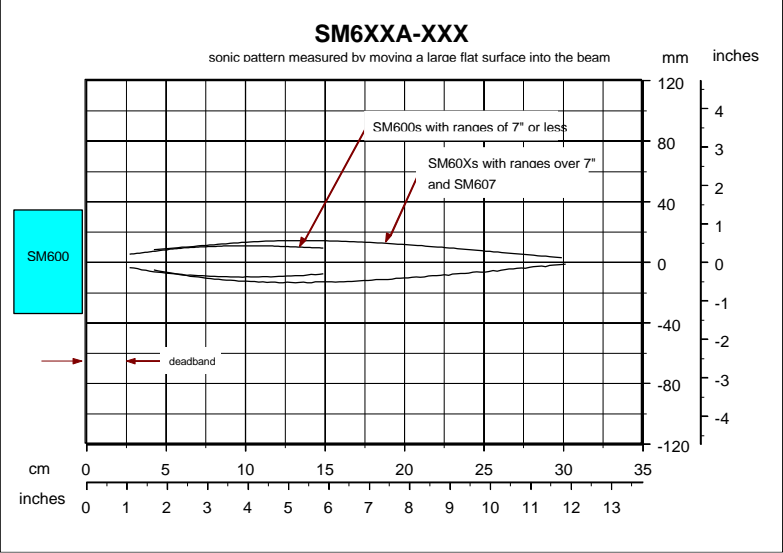


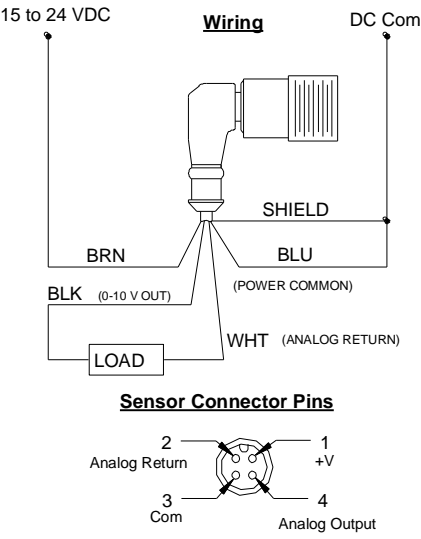
Beam Plot



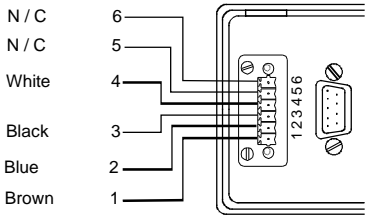
Mounting / Alignment

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.

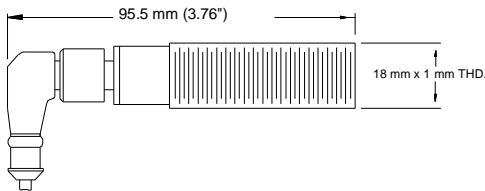
Wiring Connections, Connector Model



AC441A Connections



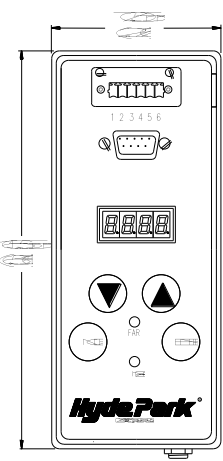
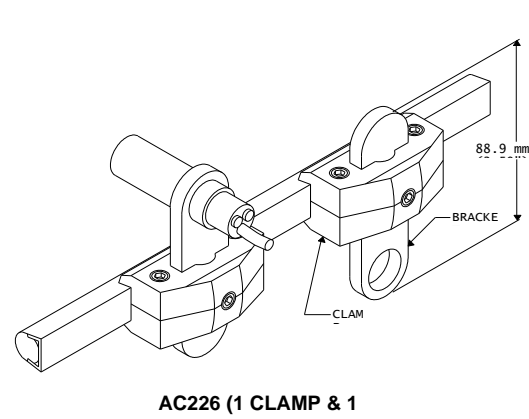
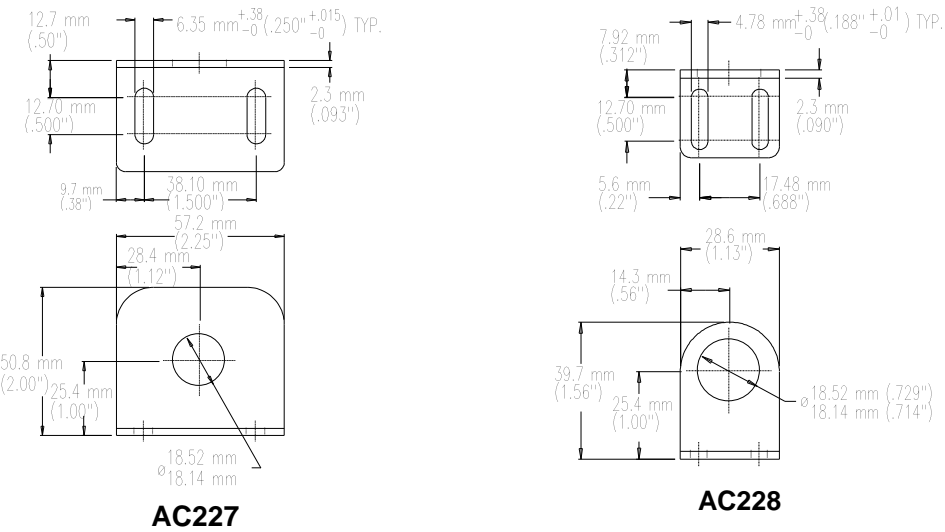
Dimensions



Accessories

- Model AC119 Rt. Angle Connector Cable - 5 meters (16 ft.)
- Model AC129 Straight Connector Cable - 5 meters (16 ft.)
- Model AC226 Conveyor Rail Clamp/Bracket Set
- Model AC227 Mounting Bracket, Large (ACxxx Retrofit)
- Model AC228 Mounting Bracket, Small
- Model AC441 Handheld Configurator

Mounting Bracket Dimensions



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 mm ² (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:	Stainless Steel
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-BV0S

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



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 via the AC441A handheld configurator and SUPERPROX+ configuration software.

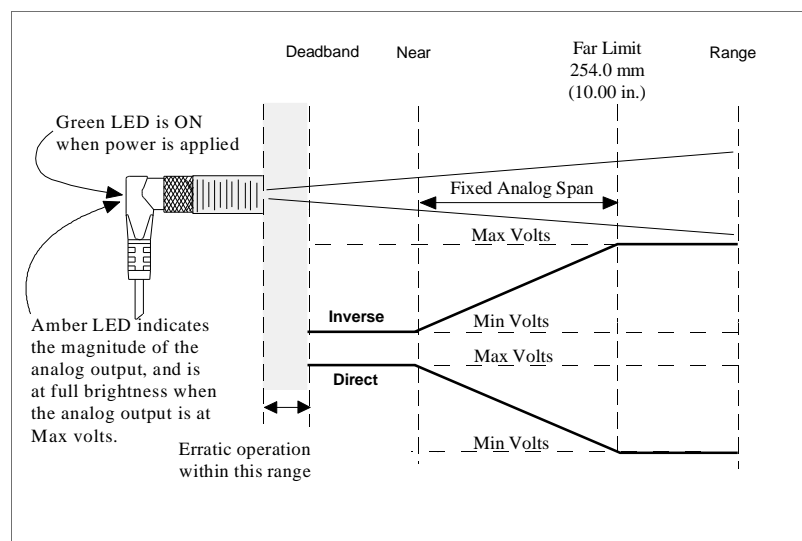


Figure 1

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