

## US1 ULTRASONIC SENSOR



- Can detect objects up to 37 feet
- Target detection distance is field adjustable
- Signal output is field adjustable
- RS-232 compatible
- Position detection switches are field adjustable

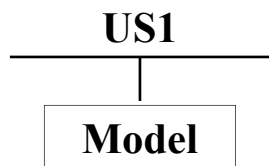
### DESCRIPTION

The US-1 is an ultrasonic position transducer that can be used with Proportion-Air products. It is ideal for non-contact position sensing. The proportional analog output signal makes it ideal as a command signal generator for Proportion-Air electro-pneumatic control valves in web tensioning applications. The unit is self contained and can function as a stand alone device. This unit offers a variety of field adjustments: detection range; reversible electronic output; position detection switches that can be used for roll size alarms; and gain adjustment for sensitivity.

### SPECIFICATIONS

Supply Voltage.....	15Vdc-24Vdc
Supply Current.....	200mA
Output Signal.....	4mA-20mA 20mA-4mA 0Vdc-10Vdc 10Vdc-0Vdc
Connector & cable.....	9 pin, color coded (5 ft) 22AWG
Operating temperature.....	-22°F(-30°C) to 158°F (70°C)
Dimensions.....	2.375 in (60mm) diameter x 5.5 in (139.7mm) long
Beam angle.....	approximately 15 degrees
Sensing distance .....	(long range) 6.5 inches to 37 feet
Repeatability.....	0.1 percent of measured distance

### ORDERING INFORMATION



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