

NEXT GENERATION SENSOR SYSTEM

The next generation in ultrasonic sensing technology is here. New fully digital sensors also support analog outputs to allow the sensor to be used in existing IS-IBC1® systems. The new sensor replaces the familiar IS-IBC1® three sensor assembly to provide an easy to install single unit package. The complete package (shown here) provides all you need to upgrade your existing system.



MICROPROCESSOR CONTROLLED SENSOR

New sensors have completely sealed transducers providing superior performance in an industrial environment. The sensors also have a more powerful signal that provides a clearer bubble signal even with bubble flutter and air ring turbulence.

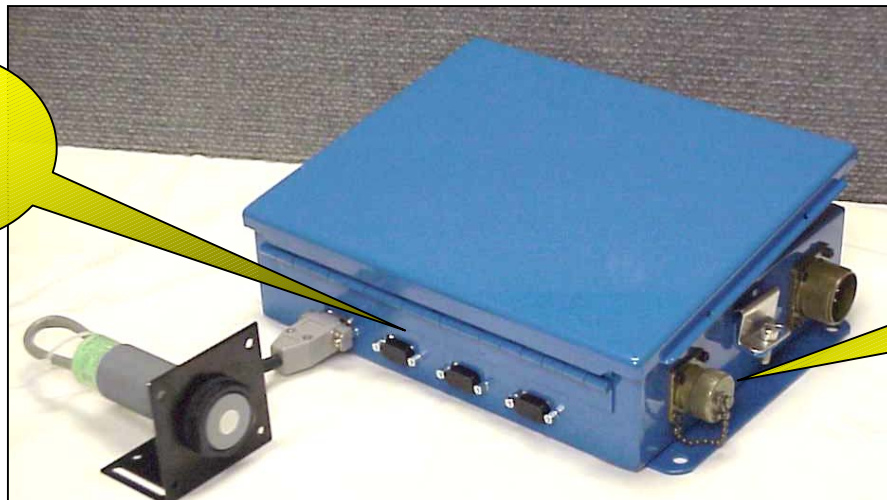
A status indicator allows easy determination if the sensor senses the bubble, if it reporting an internal error, or if it has failed completely.



Tamperproof!

SENSOR MANAGER ALLOWS UP TO FOUR IBC SENSORS

The new blue box is completely redesigned on the inside, but maintains the exact same physical dimensions on the outside. This allows a one-for-one swap when upgrading. The sensor ports are located along the side of the panel. Simply connect the number of sensors needed and set the internal jumpers and the system will automatically manage the sensors. If a sensor fails or is disconnected, the system will reconfigure to run with the remaining sensors. Sensors can be installed with the power applied, eliminating the need to stop the line to change a sensor.

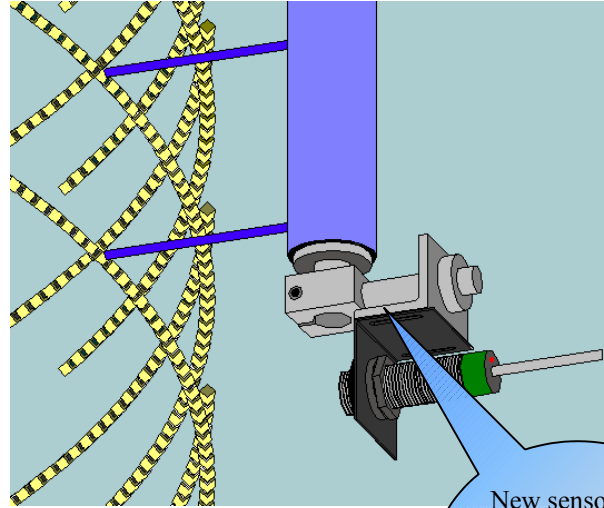


Up to four IBC sensors can be connected

Option port provided for future expansion

SENSOR SPECIFICATIONS

Specification	Value
Ultrasonic Frequency	220kHz @ 22°C
Total Beam Angle	+/- 6°
Operating Temperature	-20°C to 65°C
Storage Temperature	-40°C to 85°C
Humidity	0-95% non-condensing
Measurement Resolution	0.006 inches (0.15mm)
LED Operation	On – Good Target Slow Blink – No Target Fast Blink – Error Off – No Power
Temperature Compensation	Yes – 0.5° Resolution



ORDERING INFORMATION

Item	Code	Price
<ul style="list-style-type: none"> ✚ PP4 Upgrade System Includes: <ul style="list-style-type: none"> (1) PP4 Sensor Management System (1) IBC1 Ultrasonic Sensor (1) PP-MC-ADP Adapter Cable (1) PP4-US-4 Sensor Extension Cable – 4 meters ✚ IBC1 Ultrasonic Sensor (Spare) 	<p>PP4-MC1-U</p> <p>IBC1</p>	<p>\$2700.00</p> <p>\$929.00</p>
IBC Brackets for Specific Sizing Cages (only required if you are adding sensors to your system)		
✚ AR Engineering	BKT-410-AR	\$435.00
✚ Brampton Engineering	BE021997P1	\$105.00
✚ Alpine, Gammatec, W&H	BKT-410-RH	\$315.00
✚ Gloucester	BKT-410-GL	\$435.00
✚ Reifenhäuser	BKT-410-R	\$395.00

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