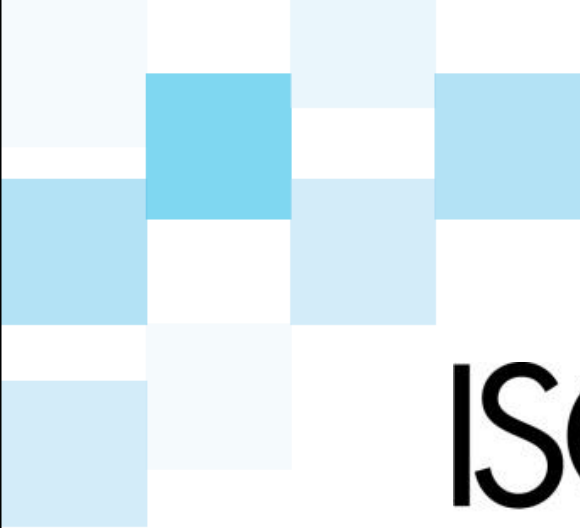




ISOFLUXTM

The ultrasonic meter

DATA SHEET



IFX- P261

Ultrasonic Clamp-on flowmeter



Ultrasonic Clamp-on flowmeter_IFX-P261_EN_2023_Rev.0

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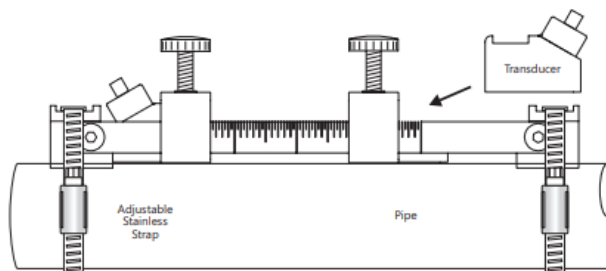
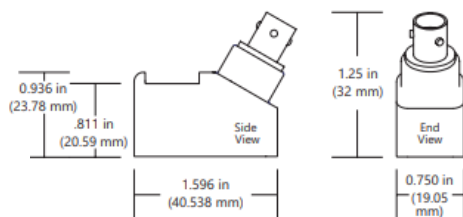
1.1 GENERAL SPECIFICATIONS

Transit time flowmeter	
Operating Parameters:	For clean liquids in full pipes with less than 2% solids or gas bubbles
Programming:	Built-in 5-button keypad with English, French, Spanish and Italian menu language selection
Electronics Enclosure:	IP67 when transducer cables connected. IP65 when transducers cables not connected. Aluminium enclosure with silicone protective end covers.
Flow Velocity Range:	±0.03 m/s to 12.2 m/s (±0.1 ft/s to 40 ft/s)
Accuracy:	±1% of reading or ±0.0046 m/s (±0.0015 ft/s) whichever is greater Repeatability & Linearity: ±0.25%
Display:	Color TFT LCD display, IPS type, 2.8" screen size, 320 x 240 resolution, 500 NITS brightness, super wide view
Power Input:	- Built-in rechargeable lithium polymer battery for up to 15 hours continuous operation - External mains to USB-C charger with 100-240V AC, 50-60Hz, 0.6A input; and 5.0V DC, 3A, 15W output
Output:	Log files, daily log files, parameter settings files, and waveform capture files via USB-C flash drive
Data Logger:	12 million point capacity, configurable for velocity or flow rate, date and time, available intervals of 10 s, 30 s, 1 min, 2 min, 5 min, 10 min, 15 min, 30 min, and 1 hr
Operating Temp. (Electronics):	-20 °C to 60 °C (-5 °F to 140 °F)
Approximate Shipping Weight:	5.5 kg (12 lb)

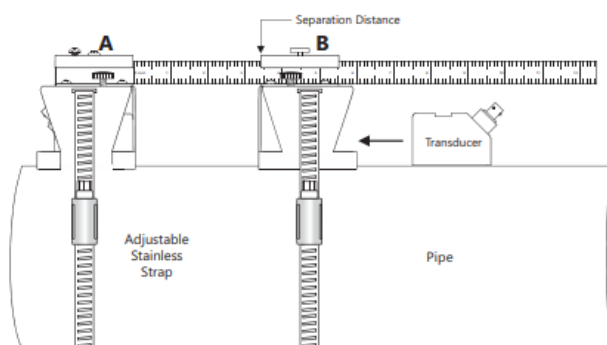
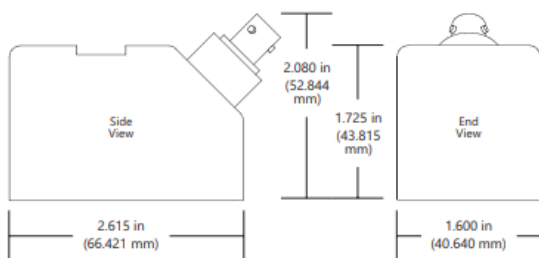
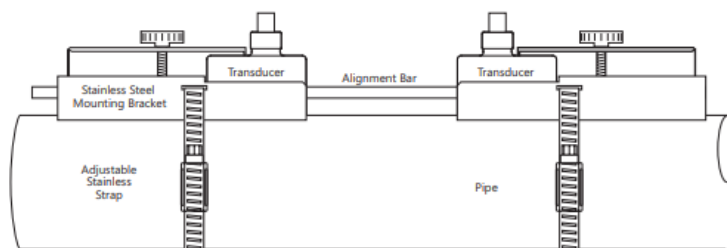
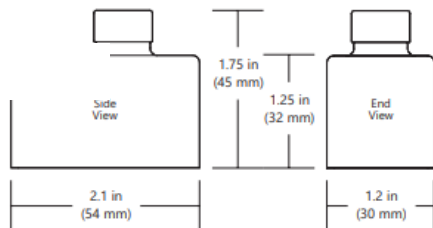
1.2 TRANSDUCER SPECIFICATIONS

Pipe Diameter, Nominal:	SE16A: Recommended for 15 mm to 40 mm (0.5 in to 1.5 in), Suitable for 15 mm to 150 mm (0.5 in to 6 in) SE16B: Recommended for 50 mm to 250 mm (2 in to 10 in), Suitable for 50 mm to 1,200 mm (2 in to 48 in) SE16C: Recommended for 300 mm to 1,200 mm (12 in to 48 in), Suitable for 100 mm to 1,200 mm (4 in to 48 in)
Pipe Materials:	Any metal or plastic sonic conducting material including carbon steel, stainless steel, ductile iron, concrete-lined ductile iron, cast iron, PVC, HDPE, PVDF, fiberglass, copper, brass, aluminium, and pipes with bonded liners including epoxy, rubber, and Teflon
Operating Frequency:	SE16A: 2.56 MHz SE16B: 1.28 MHz SE16C: 640 kHz
Operating Temperature:	-40 °C to 150 °C (-40 °F to 300 °F)
Transducer Mounting Kit:	SE16A: Includes stainless steel track with pipe clamps, built-in ruler, and coupling tape. SE16B: Includes set of stainless steel transducer brackets, clamps, alignment bar, and coupling tape. SE16C: Includes set of stainless steel transducer brackets, clamps, alignment bar with built-in ruler, and coupling tape.
Transducer Cables:	1 pair, triaxial, 3.4 m (12 ft) with waterproof plug & socket connector for electronics, and BNC connector with seal jacket for transducers
Ingress protection:	Ingress Protection: IP65 with seal jackets installed. IP67 when installed with Super Lube synthetic grease inside BNC connectors and seal jackets. (IP68 on request)

SE16A TRANSDUCERS

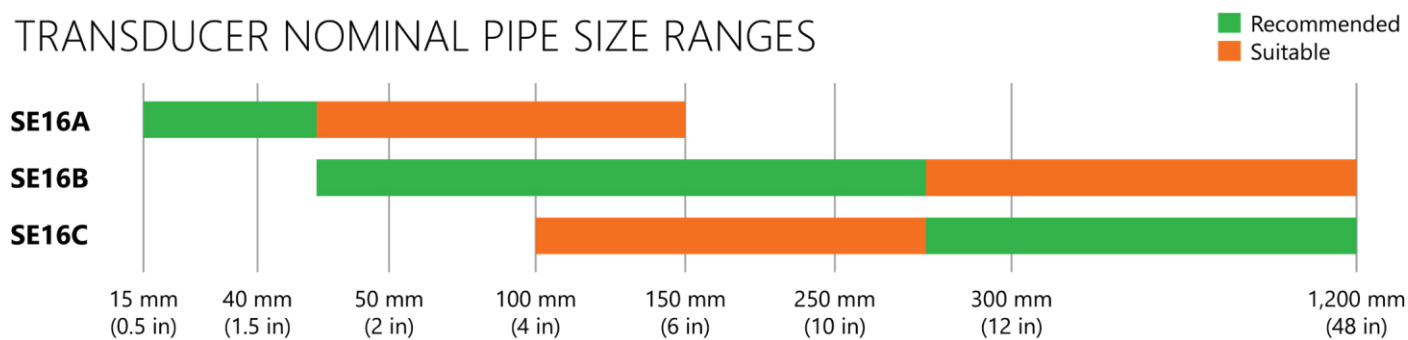


SE16B TRANSDUCERS



SE16A, SE16B, & SE16C Transducers & Mounting

TRANSDUCER NOMINAL PIPE SIZE RANGES



1.3 HOW TO ORDER

 How to order IFX-P261 Portable Clamp-on Ultrasonic flow meter	
Model code	Description
IFX-P261-	Portable transit time Flow meter Ultrasonic flow transmitter IFX-P261, rechargeable lithium polymer battery power 15h; IP67 electronics; datalogger 12million of data point;
	Clamp-on sensors for IFX-P261 A SE16A – 1 pair, recommended for 0.5 to 2 inch (15 to 50 mm) nominal pipes. Includes TMK-A1 mounting hardware. B SE16B (Standard) – 1 pair, recommended for 2 to 10 inch (50 to 250 mm) nominal pipes. Includes TMK-B1 mounting hardware. C SE16C – 1 pair, recommended for 12 to 48 inch (300 to 1,200 mm) nominal pipes. Includes TMK-C2 mounting hardware D SE16A & SE16B – 1 pair each, recommended for 0.5 to 10 inch (15 to 250 mm) nominal pipes. Includes TMK-A1 and TMK-B1 mounting hardware E SE16B & SE16C – 1 pair each, recommended for 2 to 48 inch (50 to 1,200 mm) nominal pipes. Includes TMK-B1 and TMK-C2 mounting hardware F SE16A & SE16C – 1 pair each, recommended for 0.5 to 2 (15 to 50 mm) & 12 to 48 inch (300 to 1,200 mm) nominal pipes. Includes TMK-A1 and TMK-C2 mounting hardware. G SE16A, SE16B & SE16C – 1 pair each, recommended for 0.5 to 48 inch (15 to 1,200 mm) nominal pipes. Includes TMK-A1, TMK-B1, and TMK-C2 mounting hardware
	Accessories (multiple choice allowed) 1 tension strap (std lenght: SE16A 2 x 200 mm; SE16B 2 x 1m; SE16C 2 x 2m); for different lenght price and availability on request 2 Carry case with foam insert 3 Acoustical paste Pack of 100 ml Suitable for temperature -30 +130 °C
	Example of order: IFX-P261-B1
	Note: the price of the sensors must be considered as including the IFX-P261 electronic, therefore it is not valid only for the sensors whose price is on request

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If you want to find the complete list of our distributors please visit www.isoil.com



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