



PTFM 6.1

Portable Transit Time Flow Meter

Technical Specifications:

Designed for challenging flow applications in industrial environments. Easily deployed whenever you need it. The portable transit-time flow meter is used to measure the flow of clean fluids like water, chemicals, and oils from the outside of the pipe. Multiple transducer sizes are available for the variety of pipe sizes and materials you need to measure.



GENERAL SPECIFICATIONS

Operating For clean fluids in full pipes, with typically less than 2% by-volume concentration of solids or bubbles. Also suitable for wastewater or sludge flows with low solids concentration. Parameters:

Configuration: Built-in 5-button keypad interface with English, French, and Spanish menu language selection

Electronics Enclosure: IP67 when transducer cables connected, aluminum enclosure with silicone end covers

Flow Velocity Range: ± 0.03 m/s to 12.2 m/s (± 0.1 to 40 ft/s)

• ±1% of reading or ±0.0046 m/s (±1.5 ft/s), whichever is greater Accuracy:

• Repeatability & Linearity: ±0.25%

• Built-in rechargeable lithium polymer battery for up to 15 hours continuous operation **Power Input:**

• External mains to USB-C charger with 100-240V AC, 50-60Hz, 0.6A input; and 5.0V DC, 3A, 15W output

Color TFT LCD display, IPS type, 2.8" screen size, 320 x 240 resolution, 500 NITS brightness, super wide view Display: Log files, daily log files, parameter settings files, and waveform capture files via USB-C flash drive (included)

Outputs:

12 million point capacity, configurable for velocity or flow rate, date and time stamped, configurable format for Greyline Logger Software (LG2) or CSV, available intervals of 10 s, 30 s, 1 min, 2 min, 5 min, 10 min, 15 min, 30 min, and 1 hr

Free Greyline Logger Software for Windows. For display, manipulation, analysis, and exporting of data. PC Software:

Operating Temp.

Data Logger:

-20 °C to +60 °C (-5 °F to +140 °F) (Electronics):

IP67, with protective molded foam, with room for all transducer sizes and installation hardware **Carry Case:**

Language Selection: English, French, Spanish

Approvals: CF

Approximate

5.5 kg (12 lb) **Shipping Weight:**

TRANSDUCER SPECIFICATIONS

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) Pipe Diameter. 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) Nominal:

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)

Any metal or plastic sonic conducting material including carbon steel, stainless steel, ductile iron, concrete-lined ductile **Pipe Materials:** iron, cast iron, PVC, HDPE, PVDF, fiberglass, copper, brass, aluminum, and pipes with bonded liners including epoxy,

rubber, and Teflon

Flow Velocity: ± 0.03 m/s to 12.2 m/s (± 0.1 ft/s to 40 ft/s) typical

SE16A: 2.56 MHz

Operating Frequency: SE16B: 1.28 MHz

SE16C: 640 kHz

Operating -40 °C to +150 °C (-40 °F to +300 °F) Temperature:

TRANSDUCER SPECIFICATIONS (CONT.)

SE16A: Includes stainless steel track with pipe clamps, built-in ruler, and coupling tape.

TransducerSE16B: Includes set of stainless steel transducer brackets, clamps, alignment bar, and coupling tape.

Mounting Kit:
SE16C: Includes set of stainless steel transducer brackets, clamps, alignment bar with built-in ruler, and

coupling tape.

Transducer Cable: 1 pair, triaxial, 3.4 m (12 ft) with waterproof plug & socket connector for electronics, and BNC connector with seal jacket

for transducers

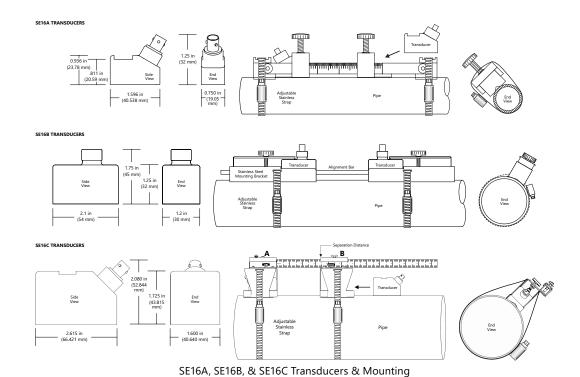
Ingress Protection: IP65 with seal jackets installed. IP67 when installed with Super Lube synthetic grease inside BNC connectors and seal

jackets.

ORDERING INFORMATION

Part No.	Sensor Configuration		
PTFM 6.1-A	SE16A	PTFM 6.1-E	SE16B, SE16C
PTFM 6.1-B	SE16B	PTFM 6.1-F	SE16A, SE16C
PTFM 6.1-C	SE16C	PTFM 6.1-G	SE16A, SE16C

PTFM 6.1-D SE16A, SE16B





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