

**PTFM 6.1 Portable Ultrasonic Transit Time Flow Meter**

Approximate shipping weight: 12lbs / 5.5 kg



**STANDARD FEATURES:**

- Pair of SE16B ultrasonic transducers -
  - clamp-on for 2" to 10" (50 mm to 250 mm) pipes
- Sensor cables – 1 pair, 12 ft / 3.66 m triaxial with connectors
- Flow rate range -  $\pm 0.1$  to 40 ft/sec ( $\pm 0.02$  to 12 m/sec)
- Accuracy -  $\pm 1.0\%$  of flow rate from 1.5 to 40 ft/sec (0.03 to 12 m/sec)
  - $\pm 0.015$  ft/sec ( $\pm 0.0046$  m/s) below 1.5 ft/sec (0.46 m/s)
- Installation Hardware – Suitable kit Included with each transducer. Universal parts include Super Lube® Synthetic Grease, sanding block, mylar sleeve, and black Sharpie® marker
- Carry Case – IP67 with protective molded foam inserts for all transducer combinations
- Electronics – Aluminum with protective silicone end covers, IP67 with sensor cables connected
- Display – Color TFT LCD display, IPS type, 2.8" screen size, 320x240, 500 NITS brightness
- Power – Rechargeable Lithium polymer battery with up to 15 hours of continuous operation
- Datalogger – 12 million data point capacity
- Calibration – Wet calibrated at factory. Built-in 5-key configuration

**Model**

PTFM 6.1 - \_\_\_\_\_

**SENSOR CONFIGURATION**

Code:

SE16A – 1 pair, recommended for 0.5 to 2 inch (15 to 50 mm) nominal pipes. Includes TMK-A1 mounting hardware.		A
SE16B (Standard) – 1 pair, recommended for 2 to 10 inch (50 to 250 mm) nominal pipes. Includes TMK-B1 mounting hardware.		B
SE16C – 1 pair, recommended for 12 to 48 inch (300 to 1,200 mm) nominal pipes. Includes TMK-C2 mounting hardware.		C
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.		D
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.		E
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.		F
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.		G

**OPTIONS AND ACCESSORIES**

Code	Description	
PTT12-AB	Replacement PTFM 6.1 cable pair, 12 ft (3.66 m), with BNC connectors and protective rubber boots for SE16A or SE16B transducers. Also compatible with SE16C transducers	
PTT12-C	Replacement PTFM 6.1 cable pair, 12 ft (3.66 m), with BNC connectors and threaded strain-relief connection for SE16C transducers. Not compatible with SE16A or SE16B transducers	
PTT50	Transducer Cable Extension – One Pair 50’ (15 m) triaxial cables for connection to standard 12’ pair of PTFM 6.1 cables (62’ / 19m total cable length)	
TMK-A1	Transducer Mounting Kit with track mount with built-in ruler, pair of pipe clamps for OD up to 4” (100 mm), and Super Lube® coupling compound	
TMK-B1	Transducer Mounting Kit with pair of stainless mounting brackets, pair of pipe clamps for OD up to 30” (750 mm), alignment bar, and SuperLube® coupling compound	
TMK-C2	Transducer Mounting Kit with pair of stainless mounting brackets, pair of pipe clamps for OD up to 48” (1200 mm), alignment bar with built-in ruler, and SuperLube® coupling compound	
CC-SL30	Super Lube® Coupling Compound, 3.0 oz tube	
CC-SL30HT	Coupling Compound for Fluid Temp. > 120°C (250°F) – Super Lube® Dielectric Grease 3.0 oz tube	
PSA-C	Replacement charger with USB-C connector, for portable 6.1 products	
PC16-MB1	Replacement Single Stainless Transducer Mounting Bracket (from TMK-B1 kit)	
PC16-MA1	Replacement Stainless Track Mount (from TMK-A1 kit)	
PC16-MC1	Replacement Stainless Transducer Mounting Bracket (from TMK-C2 kit)	
TMK-C2-AB	Replacement alignment bar with built-in ruler (from TMK-C2 kit)	
PC9	Replacement SS pipe clamp for pipe OD up to 9” (225 mm)	
PC22	Replacement SS pipe clamp for pipe OD up to 22” (550 mm)	
PC48	Replacement SS pipe clamp for pipe OD up to 48” (1,200 mm)	

*REPLACEMENT TRANSDUCERS*

Code	Description	
SE16A*	Spare/Replacement Single Transducer (two transducers are used with each flowmeter)	
SE16B*	Spare/Replacement Single Transducer (two transducers are used with each flowmeter)	
SE16C*	Spare/Replacement Single Transducer (two transducers are used with each flowmeter)	

\* Provide instrument serial number when ordering replacements

*MONTHLY RENTALS (Only available in United States and Canada)*

RENTAL PTFM 6.1-A	Includes SE16A sensor pair. One-month rental price.	
RENTAL PTFM 6.1-B	Includes SE16B sensor pair. One-month rental price.	
RENTAL PTFM 6.1-C	Includes SE16C sensor pair. One-month rental price.	
RENTAL PTFM 6.1-G	Includes all sensor pairs. One-month rental price.	