

**MantaRay Portable Area-Velocity Flow Monitor**

Model MantaRay

Approximate shipping weight: 14 lbs / 4.5 kg

**STANDARD FEATURES:**

- QZ02L submersible ultrasonic Level-Velocity Sensor
- sensor cable – 25 ft / 7.6 m shielded tri-coaxial
- MB-QZ sensor mounting bracket - stainless steel
- enclosure - watertight, airtight, dust proof (IP 67) polycarbonate
- display – white backlit matrix LCD
- battery – built-in rechargeable NiMH, 10,000 mAh
- power input – 100-240VAC charger, 24VDC external battery
- outputs – 4-20mA/0-5VDC, 2 programmable solid-state relays
- breakout box – connections for charger, DC power, relays and 4-20mA
- data logger – 2 million data point capacity with USB output to Flash drive
- ‘Greyline Logger’ PC software for Windows™
- 1 Manual - Installation and Operation

**OPTIONS AND ACCESSORIES**

QTY	CODE	DESCRIPTION	
	PVXC5	Sensor Cable Extension 50 ft / 15 m with watertight connectors	
	QZ02L-SS-01-PS <sup>1</sup>	Spare/replacement Sensor with 25' (7.6 m) cable	
	MB-QZ	Extra submersible sensor Mounting Bracket, stainless steel	
	MRBB1	Replacement Breakout Box	
	RENT	Monthly rental (* Requires purchase of QZ02L sensor)	
	MNL	Additional Manuals (One supplied with each unit)	
	VSJ6	SS Pipe Mounting Band for 6"/150 mm ID pipes (fits ±0.5"/13 mm)	
	VSJ8	SS Pipe Mounting Band for 8"/200 mm ID pipes (fits ±0.5"/13 mm)	
	VSJ10	SS Pipe Mounting Band for 10"/250 mm ID pipes (adjustable ±0.5"/13 mm)	
	VSJ12	SS Pipe Mounting Band for 12"/300 mm ID pipes (adjustable ±0.5"/13 mm)	
	VSJ14	SS Pipe Mounting Band for 14"/350 mm ID pipes (adjustable ±0.5"/13 mm)	
	VSJ15	SS Pipe Mounting Band for 15"/375 mm ID pipes (adjustable ±0.5"/13 mm)	
	VSJ16	SS Pipe Mounting Band for 16"/400 mm ID pipes (adjustable ±0.5"/13 mm)	
	VSJ18	SS Pipe Mounting Band for 18"/450 mm ID pipes (adjustable ±0.5"/13 mm)	
	VSJ20	SS Pipe Mounting Band for 20"/500 mm ID pipes (adjustable ±0.5"/13 mm)	
	VSJ24	SS Pipe Mounting Band for 24"/600 mm ID pipes (adjustable ±0.5"/13 mm)	
	VSJ30	SS Pipe Mounting Band for 30"/750 mm ID pipes (adjustable ±0.5"/13 mm)	
	VSJ32-40	SS Half-Pipe Mounting Band for 32-40"/800-1000 mm ID pipes	
	VSJ42-54	SS Half-Pipe Mounting Band for 42-54"/1100-1375 mm ID pipes	
	VSJ56-72	SS Half-Pipe Mounting Band for 56-72"/1400-1800 mm ID pipes	
	VD6	SS Pipe Dam Band for 6"/150 mm ID pipes (fits ±0.5"/13 mm)	
	VD8	SS Pipe Dam Band for 8"/200 mm ID pipes (fits ±0.5"/13 mm)	
	VD10	SS Pipe Dam Band for 10"/250 mm ID pipes (adjustable ±0.5"/13 mm)	
	VD12	SS Pipe Dam Band for 12"/300 mm ID pipes (adjustable ±0.5"/13 mm)	
	VD14	SS Pipe Dam Band for 14"/350 mm ID pipes (adjustable ±0.5"/13 mm)	
	VD15	SS Pipe Dam Band for 15"/375 mm ID pipes (adjustable ±0.5"/13 mm)	
	VD16	SS Pipe Dam Band for 16"/400 mm ID pipes (adjustable ±0.5"/13 mm)	
	VD18	SS Pipe Dam Band for 18"/450 mm ID pipes (adjustable ±0.5"/13 mm)	

<sup>1</sup> Includes MB-QZ Mounting Bracket