## *MantaRay Protable Area-Velocity Flow Meter*

**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

| Code | Description | |
|---|---|---|
| PVXC5 | Sensor Cable Extension 50 ft / 15 m with watertight connectors | |
| QZ02L-SS-01-PS[1] | 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. Rentals only allowed in United States and Canada) | |
| VSJ6 | SS Pipe Mounting Band for 6"/152 mm ID pipes (fits ±0.5"/13 mm) | |
| VSJ8 | SS Pipe Mounting Band for 8"/203 mm ID pipes (fits ±0.5"/13 mm) | |
| VSJ10 | SS Pipe Mounting Band for 10"/254 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VSJ12 | SS Pipe Mounting Band for 12"/305 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VSJ14 | SS Pipe Mounting Band for 14"/356 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VSJ15 | SS Pipe Mounting Band for 15"/381 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VSJ16 | SS Pipe Mounting Band for 16"/406 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VSJ18 | SS Pipe Mounting Band for 18"/457 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VSJ20 | SS Pipe Mounting Band for 20"/508 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VSJ24 | SS Pipe Mounting Band for 24"/610 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VSJ30 | SS Pipe Mounting Band for 30"/762 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VSJ32-40 | SS Half-Pipe Mounting Band for 32-40"/813-1016 mm ID pipes | |
| VSJ42-54 | SS Half-Pipe Mounting Band for 42-54"/1067-1372 mm ID pipes | |
| VSJ56-72 | SS Half-Pipe Mounting Band for 56-72"/1422-1829 mm ID pipes | |
| VD6 | SS Pipe Dam Band for 6"/152 mm ID pipes (fits ±0.5"/13 mm) | |
| VD8 | SS Pipe Dam Band for 8"/203 mm ID pipes (fits ±0.5"/13 mm) | |
| VD10 | SS Pipe Dam Band for 10"/254 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VD12 | SS Pipe Dam Band for 12"/305 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VD14 | SS Pipe Dam Band for 14"/356 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VD15 | SS Pipe Dam Band for 15"/381 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VD16 | SS Pipe Dam Band for 16"/406 mm ID pipes (adjustable ±0.5"/13 mm) | |
| VD18 | SS Pipe Dam Band for 18"/457 mm ID pipes (adjustable ±0.5"/13 mm) | |

[1] Includes MB-QZ Mounting Bracket