

Deep Tow Survey System Technical Specifications



Model:	DT1 TTV-200 Tow Body
Manufacturer:	Teledyne Reson Benthos
Type:	6000 metre depth rating
Launching System:	Fully Integrated Launch and Recovery System (LARS)
Dimensions:	(7.2m Length x 2.75m Width x 3.25m Height) Power requirements (220VAC or 110VAC)
Frame and Fittings:	Aluminum frame, stainless steel fittings and fastenings
Buoyancy and Ballast:	Syntactic foam
Work Capabilities:	Dual Head Multibeam Bathymetric Deep Water Hi-Resolution Survey 400Khz 550m swath @ 60m Alt and 1.25 grid resolution 200Khz 1200m swath @ 120m Alt and 2.5 grid resolution
Vehicle Dimensions:	2.65m Length x 1.09m Width x 1.5m Height (Incl. USBL mounting bracket) 1.2m height without USBL mounting bracket 1140kg weight
Positioning Sensors:	Sonardyne Sprint INS, RDI 300khz DVL, USBL Positioning with Ranger Pro
Alternative Positioning:	iUSBL poitioning for deep water and longer slant range operations
Sensors:	2 X 7125 Reson Multibeam, Nexus IV Multiplexer, Reson SVP70 Sound Velocity Probe, Paroscientific Digiquartz depth sensor, RDI 300kHz Doppler, Octans MRU
Tow Winch:	Dynacon Traction Winch - 10,000 Metres of 0.68 armored tow power and fiber cable - Winch requires 440VAC and source of cooling water - Total weight of TW system is 30,000 lbs

Vehicle System

Power Requirements: 220VAC @ 10 amps

**Navigation, Acquisition,
and Processing Software:**

PDS 2000 configured with remote stations

Optional Sensor Packages: Edgetech 2205 series SSS & SBP, G-882 Geometrics

Magnetometer, Sonadyne Gyro/USBL tracking system

Complete Transit Spread:

2 x 20ft traction winch system

1 x 20ft LARS

1 x 10ft Control Cabin

**Errors and
Emissions Accepted**

