

Smart Tether

Real-time, Non-acoustic Positioning for DIDSON™ SONAR

The Smart Tether offers unmatched real-time GPS location of DIDSON™ SONAR systems. It is quick to deploy and easy to use. In addition to determining the location and heading of the diver and SONAR, the Smart Tether also provides a live plot of the tether's shape in the water, improving overall situational awareness and safety. The Smart Tether software also captures the scan and position history of the diver. This allows the divemaster to ensure that an entire area is searched. The Smart Tether's real-time position update rate makes navigation possible even in zero-visibility conditions. With advanced scanning and target marking capabilities, the Smart Tether increases the capabilities of your dive team, making your operations faster, cheaper, and safer.

This model Smart Tether can do it all; it comes standard with extra twisted pairs for your existing intercom systems, cameras and lights. These accessories can then be used simultaneously with the DIDSON™ SONAR.

Product Specifications (MODEL: ST-DIDSON)

System:

- Standard Configuration Contains:
40 meter tether with 6 sensor nodes,
top side box, USB cable, Smart Tether software.
- Position update rate: greater than 5 Hz
- Position error: less than 3 meters (9 feet),
depending on deployment configuration
- Power requirement: 110-240 AC, 50-60 Hz
- Power usage: 2.5 Watts (plus accessories)

Options:

- T-connector whip for accessories such as camera,
intercom, and lights

Tether:

- Buoyancy in fresh water: neutral
- Diameter: 10mm (0.39 in)
- Working strength: 1780N (400 lbs)
- Connectors: 12 pin wet mateable
male at top side, 16 pin Impulse, with
integrated heading sensor and 9 pin
female at diver end.
- Sensor node diameter: 21.5 mm (0.85 in)
- Sensor node length: 152mm (6 in)
- Sensor depth: max 290 meters (950 ft)
saturation: 118 meters (388 ft)



Dealer Stamp

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