

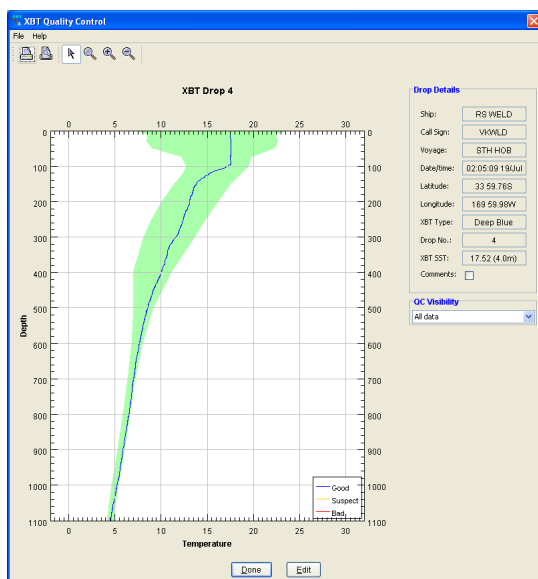
TURO QUOLL XBT-sv

XBT and XSV Recorder
with USB and Ethernet



Acquisition Recording Analysis

- Flexible power choices
- USB bus powered
- Ethernet PoE powered
- External DC powered



- Compact and light weight
- Fully compatible with Sippican¹ launchers and XBT and XSV probes
- Windows 7, Windows 8.1, Windows 10
- Global Charts
- Climatology database
- Quality control
- GPS input
- Satellite telemetry



QUOLL XBT & XSV

data acquisition and recording system

XBT and XSV Acquisition and Recording

The Turo Quoll Expendable Probe System is fully compatible with Sippican¹ launchers and uses Sippican XBT probes² and XSV probes³ to record ocean temperature and sound speed profiles.

The System includes the Quoll acquisition unit and acquisition/processing/management software.



USB or Ethernet Connection

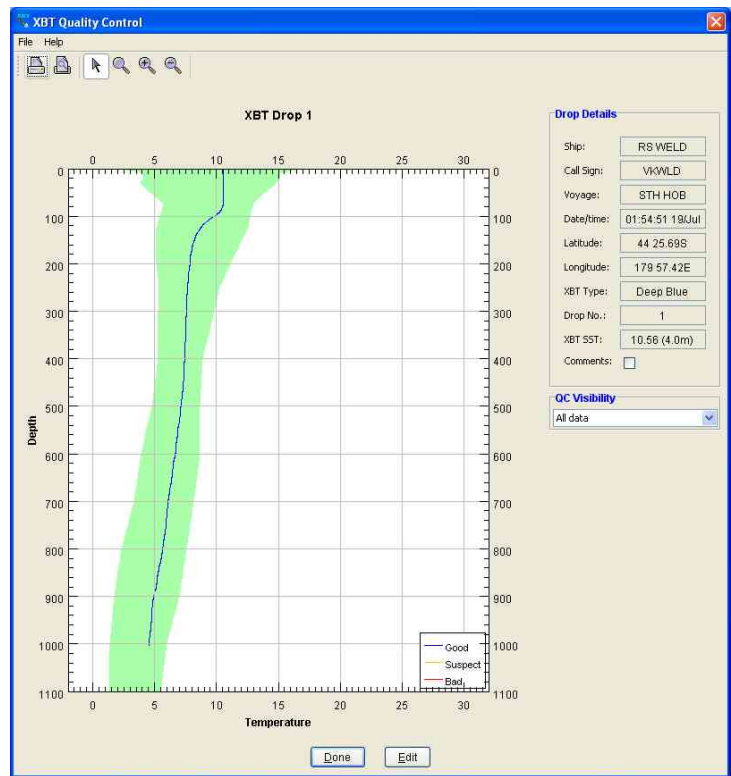
Quoll can be connected through the USB or the Ethernet port.

Ethernet: For the first time a direct network interface to the XBT recorder is possible. And to add flexibility Quoll supports Power over Ethernet (PoE). Quoll can be powered either through a standard AC adapter or via its PoE function

USB: When USB is used, power comes from the USB connection and frees the unit from requiring an external power supply making it a truly simple and portable setup.

Acquisition, Processing and Management

- Software included with Quoll offers:
 - Four operating modes for Open, Restricted, SOOP and Secure situations each with Administrator and Operator permissions
 - Global atlas
 - Global climatology database
 - First pass Quality Control analysis
 - Sound speed profile:
 - using XSV probes
 - using XBT probes with advanced climatology assisted algorithm or simple fixed salinity algorithm
 - Display:
 - realtime temperature or sound speed profile plot
 - single or multiple drops
 - climatology overlay
 - location of drops on the chart
 - colour coded QC on temperature graph
- Formats: netCDF, ascii, JVVV, CALC
- Automatic GPS input
- Iridium satellite transmission support
- Integral training simulator



XBT System

Compatibility

Fully compatible with Sippican¹ handheld and thru hull launchers
Uses Sippican¹ XBT and XSV probes^{2,3}

Probes

Electrical

Sample rate
Probe connection
Computer connection

10 Hz
DB9 socket, Sippican¹ compatible
USB 2.0, full speed
or
Ethernet network
USB bus powered
or
Power over Ethernet (PoE)
or
External 12 - 30 volts DC, 300 mA

Power Supply

Mechanical

Size box (L x W x H)
Weight

139.0 x 106.0 x 28.5 mm
290 gm

Environment

Operating temperature

-5 to +60°C

Computer Requirements

Operating system
Computer I/O

Windows 7, Windows 8.1, Windows 10
USB or Ethernet network

Optional GPS

GPS module
Format
Computer I/O

Standard GPS unit
NMEA 0813 \$GPGLL or \$GPGGA
rs232

Optional Iridium Transmitter

Transmitter
Interface/Computer I/O

NAL 9601
rs232



Spotted Tail Quoll
(*Dasyurus maculatus*)
Tasmanian marsupial

- 1 Lockheed Martin Sippican, Inc
- 2 XBT probes T4, T5, T6, T7, T10, Deep Blue, Fast Deep
- 3 XSV probes XSV-01, XSV-02, XSV-03