

# Tool Interface Box – Standard and HD

Calibrates and checks tools on surface only

## Applications

- Perform tool calibrations in lab or field locations
- Surface tool checks before/after deploying tools in the well
- Test tools in lab without complete system, TCU, and wireline (simulator)

## Features and Benefits

- Automatic tool polling identification and data loop generation
- Fast inter-tool bus communications
- Up-link data rate of 150 kb/seconds
- Fast wireline down-link (16 Kbps) allows real-time control of toolstring
- Send tool commands (e.g., opening/closing multi-arm caliper tool)

## Tool Description

The Weatherford tool interface box is used to test HD tools using a workstation with Warrior on a workbench or at the surface before deploying tools in a well for memory operations. The TIB facilitates an easy method to qualify HD tools performance on surface without requiring a TCU, surface interface panel (HLP/HIP), wireline or a dummy line box (DLB).

## Specifications

### Hardware characteristics

Length	13.37 in. (34.0 cm)
Width	1.162 in. (29.5 cm)
Height	6.00 in. (15.2 cm)
Weight	8.0 lb (4.0 kg)
Temperature range	-40° to 210°F (-40° to 99°C)
Materials	Polypropylene
Display	Current / voltage LCD with back light, LED critical indicators
Connections	PC with Warrior /HD services: USB 2.0 (A/B) Oscilloscope telemetry: BNC

### Electrical specifications

AC voltage (Input)	120/240 VAC with fuse (2.5/1.25 amp)
DC voltage (Input)	18 - 55 VDC battery input from MBS
Protection	Bus Fuse: 250 VDC, 0.5 Amp
Tool interface (Output)	15 - 55 VDC

