# **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<br>(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                          |



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