

## ■ GENERAL DESCRIPTION

The TPS (Triple Power Supply) Verification Interface can be used to test any GE compatible TPS. The Verification Interface Kit allows the user to test all the required functions of the TPS without the need for other down-hole equipment. This kit can be used to verify proper operation of existing equipment, newly manufactured products and troubleshoot failed boards.

## ■ INCLUDED EQUIPMENT

### TPS VERIFICATION INTERFACE BOX

The Verification Interface box allows the user to input any voltage on the battery 1 and battery 2 lines and monitor the current draw with a multi-meter while verifying all outputs using an oscilloscope. In addition, switches are provided for controlling all inputs and loads on the TPS outputs.

### THERMAL/VIBRATION CHASSIS

An anodized aluminum chassis is included in the kit to allow the user to test the TPS while in a chassis as it would be down-hole. The chassis includes holes for mounting to a vibration table to allow shock and vibration testing without the need for additional down-hole equipment.

## ■ ADDITIONAL EQUIPMENT REQUIRED

In order to perform full functional testing of a TPS the following equipments is required:

- 2 Channel 30V Power Supply
- 2 Channel Oscilloscope
- Multi-meter w/ Current measurement

## ■ ORDERING INFORMATION

Part Number	Description
900-00021-01	TPS Verification Interface Kit



### HIGH TEMPERATURE INTERFACE CABLE

The kit included a prewired high temperature cable for connecting to a TPS while being heated.

### BNC-BNC OSCILLOSCOPE CABLES (2)

Each kit includes two oscilloscope cables to monitor the TPS outputs while performing verification testing.

### USER MANUAL

A user's manual is included to guide the operator on the use of the TPS Verification Interface to test all the required functions of the TPS.

### VERIFICATION CHECK SHEET

A verification check sheet is provided for record keeping of verification tests performed.