

TCU – Tension Compression Unit



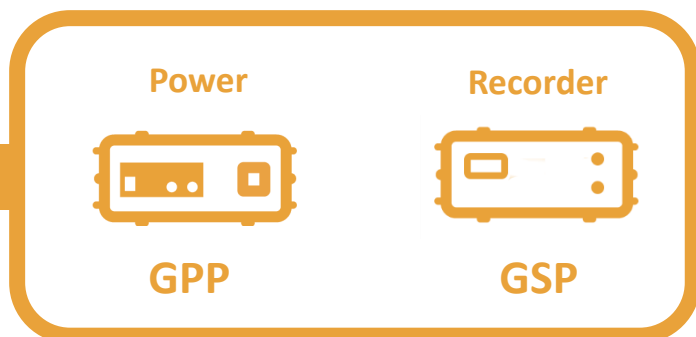
Main Features

- 3" Diameter Tool compatible with Geochain™.
- Tension and Compression measure on wireline.
- Real time surface read out.
- Ready out display with ACQ software.
- High Accuracy.
- Operation with hostile well conditions.

Functionality

- The TCU-2 Tension Compression Unit is a device designed to accurately measure the load on the wire line at the top of the Geochain™ string.
- This product records during receiver deployment with real time surface read out, providing the seismic engineer with an invaluable tool to detect and prevent receiver hang up.
- This new unit has refined pressure compensation capability with the load measurement achieved by means of strain gauges situated within the housing. Mounted directly above the telemetry adapter section (TAS) of the tool string, the TCU measured output voltage is digitised and transmitted by the TAS and displayed at surface within the ACQ software.
- All TCU-2 components in contact with borehole fluid are corrosion resistant, and not sensitive to hydrogen embrittlement. Any items requiring service can be easily replaced with the minimum of disassembly.

SURFACE PANELS



LEADERS IN BOREHOLE SEISMIC TECHNOLOGY



DOWNHOLE LOCATION

TCU Specifications

Loading:	The unit can measure tension or compression load in the range -5 to +5 tonnes, with a damage free load limit of +/-20 tonnes
Accuracy:	Better than 2% of full scale across the range of temperature and pressure.
Length:	26" (660mm)
Weight:	40 lb (18 kg)
Diameter:	3" (76mm)
Max Operational Temperature:	400°F (205°C)
Max Operational Pressure:	25,000 psi (1720 bar)