ASL
Avalon Sciences Ltd

STAS – Slim Telemetry Adaptor Section

SLIM

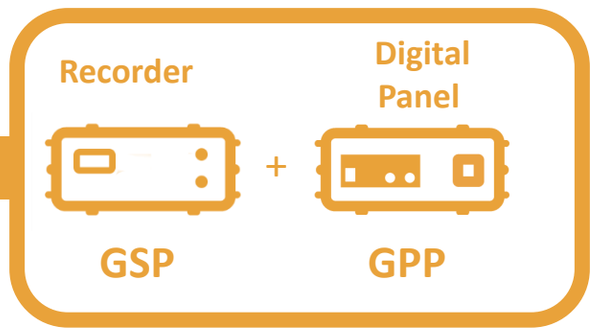
Main Features

- Interfaces digital GeochainSlim string to wireline cable.
- Equal wireline power distribution.
- Separates downlink power and uplink telemetry.
- Compatible with latest Slim DFU module for gapless Microseismic recording and increased tool operation at 250us sample rate.
- Unique Active Cooling System for continuous operation at 385°F (195°C)
- 20,000psi (1700 bar) pressure rating.

Functionality

- The STAS serves to interface the Geochain tool-string to the main wireline cable. System power from the surface is distributed equally over six wireline conductors. Transformers in the STAS separate this power from the downlink and uplink data signals.
- The STAS receives the data from the Geochain tool-string and re-transmits this to the surface, in a coded and modulated form.
- The STAS also receives synchronisation and command information from the surface and relays this down to all ASRs in the tool-string.
- The STAS may be connected directly to the top ASR using a special coupler, but is often separated by a short ITC to avoid any possible degradation of the seismic response of the GSR.

SURFACE PANELS



LEADERS IN BOREHOLE SEISMIC TECHNOLOGY

DOWNHOLE LOCATION

STAS Specifications	**AS261**
Length	33.7” (857mm)
Diameter	1 11/16” (43mm)
Weight	12.4 lb (5.7kg)
Temperature	385°F (195°C) *Digital Only
Pressure	20,000psi (1400 bar)
Panels	GPP or GMP & GSP-1 (Digital)
DFU Compatible*	Yes – Firmware upgrade required to all previous 2015 TAS-2/STAS Units
Wireline	7 Conductor Heptacable