

AS251 'X-Series' Slim Digitizer



**Main Features**

- Low noise, High gain Geochain Slim digitizer module.
- Increased operating temperature 385°F (195°C)
- Doubles existing Geochain system data rate, allowing 60 tools at 1ms sample rate\*
- Enables continuous recording for microseismic monitoring\*
- New flasking, hermetic seal employment and upgraded active cooling.
- Upgraded high temperature power supply.
- Upgraded electronics
- Integrated High Side Indicator
- Selectable Damping and Gain

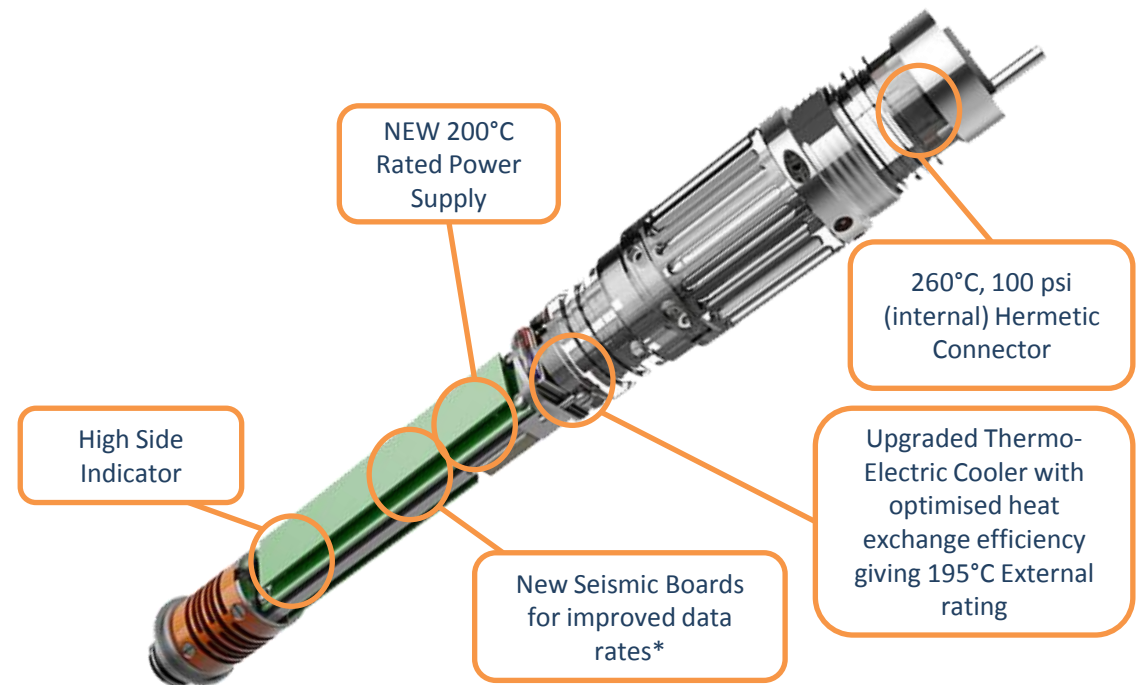
**Functionality**

- The X-series digitizer upgrade for the Geochain Slim system, provides higher operating temperatures and higher telemetry rates, allowing continuous monitoring in the most hostile well conditions.
- This is the next development of the industry acclaimed AS251 low noise high gain digital module, which now introduces upgraded active cooling technology and thermal insulation components for increased robustness in addition to facilitating new operational functionality of your Geochain Slim string.
- Compatible with Geochain Slim systems.
- Facilitates 'Mix & Match' compatibility with Geochain and Geochain EHP tools in the same string.



COMPATABLE WITH

**LEADERS IN BOREHOLE SEISMIC TECHNOLOGY**



\*Used in conjunction with X-STAS and SDFU unit.

Downhole Specifications	AS251			
	X Generation			
<b>Max. No. of Satellites</b>	62			
<b>Telemetry</b>	<i>Sample interval</i>	<i>Bandwidth Hz</i>	<i>GSR's</i>	<i>GSR's with DFU</i>
	1/4ms	1600	8	15
	1/2ms	800	16	30
	1ms	400	32	60
	1.5ms	266	48	62
<b>Dynamic Range</b>	>112dB @ 0dB pre-gain (minimum)			
<b>A/D convertor</b>	24 bit Delta-Sigma			
<b>Downhole Gain</b>	42-54dB			
<b>Distortion</b>	<0.02%			
<b>DC offset</b>	Self-calibrating			
<b>Max data rate</b>	4 Mbit/second			
<b>Min. data rate</b>	256kbit/second			
<b>Temperature</b>	385°F (195°C)			