

AS272 'X-Series' Digitizer



Main Features

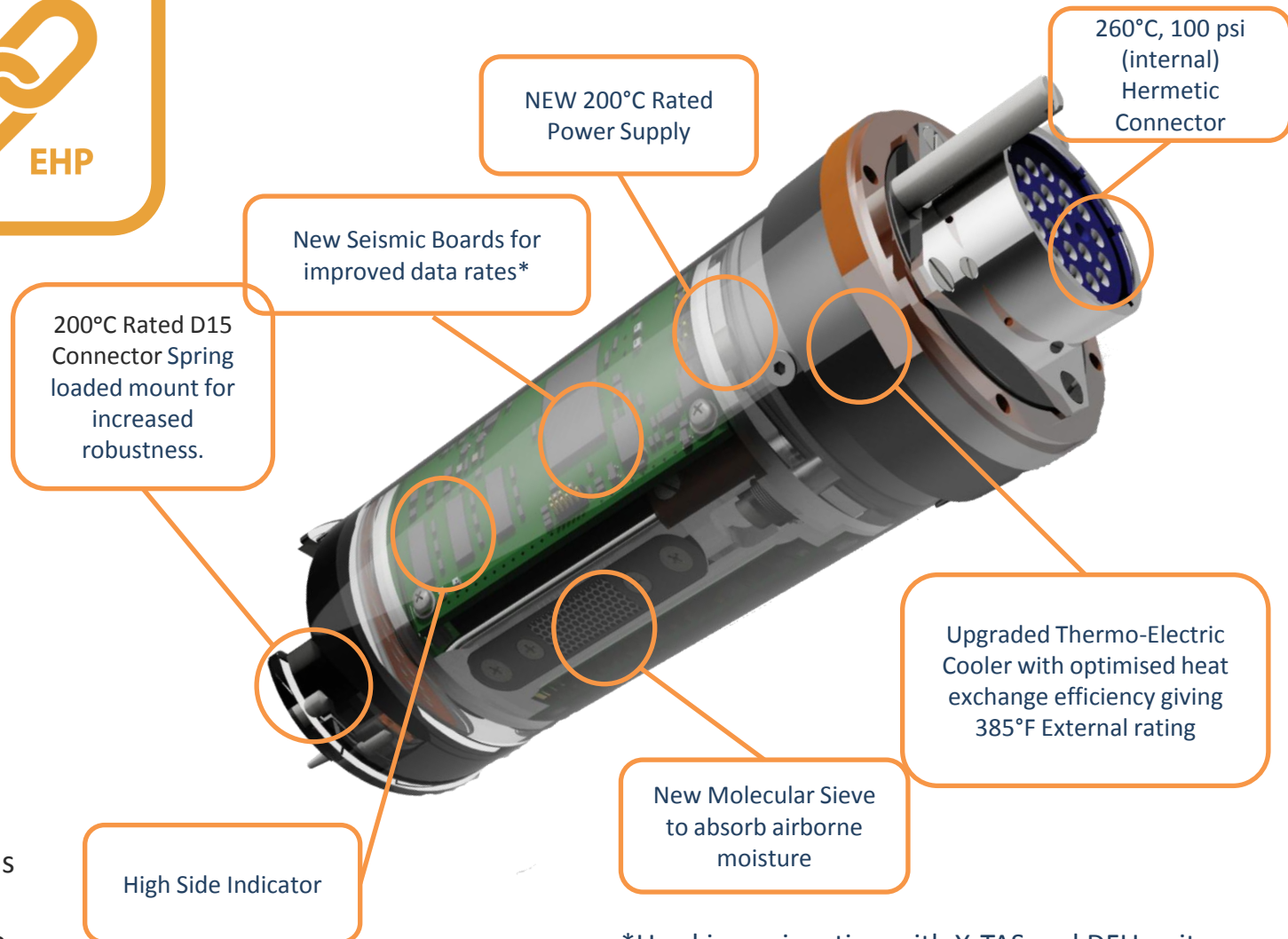
- Low noise, High gain Geochain digitizer module.
- Increased operating temperature 385°F (195°C)
- Doubles existing Geochain system data rate, allowing 60 tools at 1ms sample rate*
- Enables continuous recording for microseismic monitoring*
- New flasking, hermetic seal employment and upgraded active 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 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 AS271 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 string.
- Compatible with all Geochain and Geochain EHP tools (Slim variant available).
- Facilitates 'Mix & Match' compatibility with Geochain Slim tools in the same string.



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*Used in conjunction with X-TAS and DFU unit.

Downhole Specifications	AS272 X Generation			
Max. No. of Satellites	62			
Telemetry	Sample interval	Bandwidth Hz	ASR's	ASR's with DFU
	1/4ms	1600	8	15
	1/2ms	800	16	30
	1ms	400	32	60
	1.5ms	266	48	62
Dynamic Range	>112dB @ 0dB pre-gain (minimum)			
A/D convertor	24 bit Delta-Sigma			
Downhole Gain	42-54dB			
Distortion	<0.02%			
DC offset	Self-calibrating			
Max data rate	4 Mbit/second			
Min. data rate	256kbit/second			
Wireline	7 Conductor (Heptacable)			