

Real time, downhole, wireline tension measurement to help prevent pump-off, stuck tool strings and expensive fishing operations



Impact Selector's SMART Sens™ is a wireline tension monitoring device which maximizes efficiency and minimizes risk during pump-down operations.

Maintaining safe cable tension downhole is challenging in lateral wells because surface measurements do not account for friction.

- If the cable tension is too high pump-off can occur when the weak-point limit is exceeded.
- If the cable tension is too low damage to the cable can occur.

The SMART Sens™ provides a real time downhole cable tension measurement which eliminates uncertainty and gives the operator increased control.

Features:

- Accurately measures real time tension, compression line voltage and internal tool temperature
- Plug and Play—no special panels or hardware required
- Compatible with *Warrior* System and commercial perforating switches
- No field calibration required
- No internal seals or parts to maintain
- API RP-67 compliant

Benefits:

- Maximizes pumpdown efficiency and speed
- Minimizes lost time and fishing risk
- Verifies plug setting and release
- Eliminates uncertainty when activating a cable release device





Measurement Specifications	
Tension (Max.)	10,000 lbf
Compression (Max.)	2,000 lbf
Resolution	5 lbf
Sampling Rate	10 Hz

Environmental Specifications	
Pressure Rating	20,000 psi
Temperature Rating	350°F / 175°C
Axial Shock	2000g, 0.25ms
Max Tensile Load	100,000 lbf

Mechanical Specifications	
Outside Diameter	2.75 in / 69.85 mm
Made-up Length	2.20 ft / 0.67 m
Weight	33.5 lb / 15.2 kg
Upper Connection	1-5/8"-6 ACME Pin
Lower Connection	1-5/8"-6 ACME Box

Electrical Specifications	
Max Pass Through Voltage*	600 VDC
Operating Voltage*	20V to 50V
Current Draw	35 mA

*Polarity is configured to be compatible with perforating switch system used.



For more information please contact
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