

Intelligent Trigger Modules

The Intelligent Trigger* is a multifunctional tool, which allows the deployment of production logging tools or the safe initiation (using the appropriate Voltage Generator Module) of explosive or delayed-action devices deployed on slickline or coiled tubing.

The Intelligent Trigger is based on Nan Gall Energy Systems Production Logging memory module and incorporates all the logic necessary to safely initiate:

- Casing perforating
- Tubing punching
- Tubing cutting
- Plug/Packer setting
- Downhole sampling
- Various other downhole operations

The Nan Gall Energy Systems' Intelligent Trigger has a dual failsafe safety feature where it is activated by a pressure sequence and also the accelerometer before firing. It has been fully certified by an independent certifying authority as safe for use and has demonstrated the necessary immunity during the certification process to various scenarios including RF, stray currents and even lightning strikes.

Whether the application requires slickline or tubing conveyed casing perforating, tubing punching, tubing cutting, plug/packer setting or even downhole sampling, Nan Gall can provide the safe means of achieving the goal.

(*Third-party risk assessed)

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measured performance

Intelligent Trigger Modules

Product Specification Table

Tool Type	Outside Diameter	Maximum Pressure Range	Maximum Temperature	Pressure Resolution	Temperature Resolution
Intelligent Trigger Specifications	1.6875" (4.286cm)	16000psi (1104 bar)	350.6°F (177°C)	0.01psi	0.001°C
High Pressure Intelligent Trigger	2.125" (5.4cm)	30,000psi (2068 bar)	350.6°F (177°C)	0.01psi	0.001°C

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