IntelleX™ Low Power Electronic Trigger Comparison

EBW Low Power Electronic Trigger

(1 11/16" OD SEN-0010-0307 | 1 3/8" OD SEN-0010-0316)

Exploding Bridgewire Detonators (EBWs) were originally developed for use in military applications. They require a very fast rising, high-current pulse for successful initiations, such as the output provided by the Ecosse PX-1. Unlike conventional blasting caps and resistorized detonators normally used in oilfield perforating operations, EBWs do not contain sensitive primary explosives such as lead azide.

The greatest advantage of EBW detonators for oilfield use is the fact that they are extremely insensitive to accidental initiation. They are effectively immune to the radio frequency (RF) sources and stray voltages found on well sites and offshore platforms, which means radio transmitters, electric welding and cathodic protection equipment need not be turned off during perforating and other wireline explosive operations. EBWs are currently available using RDX and CP explosives, giving them useful temperature ratings of 325°F to 400°F respectively.

Owen Low Power Electronic Trigger

(1 11/16" OD SEN-0010-0312, 1 3/8" OD SEN-0010-0327)

Owen Oil Tools in conjunction with Pacific Scientific have developed the Green Det™, the latest in enhanced reliability and safety. In today's RF producing operational environment, Green Det™ is a low energy, RF Safe, Reactive Semi-Conductor Bridge (R.S.C.B) detonator that allows safer communication during perforating and fracture stimulation operations. Green Det™ has the industries highest reliability rate while increasing operational efficiency with its compact size.

JRC Low Power Electronic Trigger

(1 11/16" OD SEN-0010-0312, 1 3/8" OD SEN-0010-0327)

Detonator application is highly dependent upon environmental conditions, gun type and wellbore characteristics. JRC has a wide variety of detonators ranging from simple resistor types to the RF-Safe RED® (Rig Environment Detonator) detonator.

RF-Safe detonators have a high immunity to radio signals, cellular phones and stray voltages generated by welding machines and cathodic protection devices. The RED® detonator is a specially designed electro-explosive device that allows safer wellsite explosive operations to be conducted.
of 325°F to 400°F respectively.

DYNAWELL Low Power Electronic Trigger

(1 11/16" OD SEN-0010-0309, 1 3/8" OD SEN-0010-0325)

DYNAWELL Fluid-Disabled Detonators ensure desensitization after just two minutes of submersion in water to protect encapsulated perforating systems from leakage.

DYNAWELL Pressure-Resistant Detonators are specially designed for exposed use in oilfields, even when subject to caustic well bore fluids.

The new DYNAWELL Electronic Detonators allow wireline explosive operations to be performed without turning off radios or electric power sources. They are available for fluid-disabled and pressure-resistant use as well as for plug setting tools and can be installed just like any standard detonator.
For TCP applications DYNAWELL provides Percussion Initiators to fit almost all existing TCP firing heads.

The DYNAWELL Igniter is standardized for use in baker setting tools and a wide range of chemical cutters.

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