Technical Specification Sheet

IntelleX™ Low Power Electronic Trigger - $1^{3}/_{8}$ & $1^{11}/_{16}$ in. JRC RED® / Owen Green Det™

IntelleX™ Low Power Electronic Triggers are battery powered low power electronic firing heads used to initiate the detonation of ballistic devices with the highest degree of safety and control. These triggers are availble with JRC RED® (Rig Environment Detonator) or Owen Green Det™ Electronic Detonators.

Ratings & Dimensions

Tool type	1.375 OD Firing Head	1.69 OD Firing Head
Part Number	SEN-0010-0327	SEN-0010-0312
Max temperature	347°F (175°C)	
Max pressure	15,000 psi (103.4 mPa)	
Outer diameter	1.375 in (34.9 mm)	1.690 in (43.0 mm)
Length	46.0 in (1.17 m)	
Weight	22.0 lbs (9.9 kg)	
Max Tensile Load	20,000 lbs (9,000 kgs)	30,000 lbs (13,600 kgs)
Materials	Corrosion resistant materials used throughout	

Hardware Characteristics

Housing	17-4PH (standard) or NACE MR-01-75 Compatible
Connection	Top: 15/16 in x 10 UN (5/8 in Sucker Rod)
	Bottom: 1 3/16 in x 12 UNF GO Pin
Supported Devices	RF-Safe RED® (Rig Environment Detonator) detonator Owen Green Det™ Electronic Detonators

Temperature Measurements

Range	0 - 165°C (32- 329°F)
Accuracy	< ±0.5°C
Resolution	< 0.01°C @ 1 sps

Pressure Characteristics

Range	0 – 15000psi (0 - 103.42MPa)
Accuracy	< ±0.05% FS
Resolution	0.01 psi @ 10,000 psi & 1 sps

Acceleration

Accuracy	±0.1 g
Resolution	< 0.01 g

Electrical Specification

	Module A	Module C & D
Battery	2 x PMX165 'C' Lithium battery	
Voltage (DC)	5-9Vdc, power supplied via USB or 2 x 'C' cell Lithium battery pack.	
Memory Rate	145.5 hrs/6.06 days @ 1 sps	18.2 hrs/0.75 days @ 1 sps
	Modules C & D can be sampled at slower speeds allowing up to 30 days logging. EFH will continue to function even if the memory is full.	
Consumption	10mA Max Logging, 2A Max Firing Current	
Shock	> 500 g	
Shooting CCL	500 µA (Idle); 8 sps, stored 1 sps to memory	

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