

Static★Star™

PRODUCT INFORMATION BROCHURE

The Static★Star detonator is specifically designed for the harsh conditions encountered in a modern 3-D seismic survey. The molded sealing plug ensures protection from the environment of salt and brackish waters for extended periods of time. With the largest base charge in the industry, Static★Star electric detonators will initiate all detonator sensitive seismic explosives.



ADVANTAGES

- Minimum 720 mg PETN base charge far exceeds the standard #8 strength detonator.
- Designed for extended sleep time in salt / brackish water use.
- Consistent break time when firing with 3-10 amperes DC current.
- No fire current of 0.45 amperes for extra protection from electrostatic discharge.
- Molded sealing plug for protection from water.
- Resistant to temperature extremes from -40°F / -40°C to 150°F / 66°C.
- # 20 AWG, high abrasion resistant, Orange HDPE insulated wire.
- Protected primary explosive charge.

STANDARD TECHNICAL DESCRIPTION

Electric seismic detonator for the geophysical industry



AUSTIN POWDER

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Static★Star

PROPERTIES and STANDARD PACKAGING DETAILS

Length		Ohms Resistance (Ω)	Case Count	Case Weight		NEQ per Case (g)	Wire Configuration
Ft	Mt			Lbs	Kg		
12	3.7	0.84	20	5.3	2.4	20	Figure 8 (1.1B)
24	7.3	1.08	20	5.7	2.6	20	Figure 8
35	10.7	1.31	15	5.7	2.6	15	Figure 8
45	13.7	1.50	10	4.5	2.1	10	Figure 8
55	16.8	1.72	10	5.4	2.5	10	Figure 8
65	19.8	1.92	10	6.3	2.9	10	Figure 8
85	25.9	2.33	10	8.8	4.0	10	Spooled
100	30.5	2.64	10	10.2	4.6	10	Spooled
120	36.6	3.05	10	11.6	5.2	10	Spooled
140	42.7	3.46	3	5.1	11.2	3	Spooled
160	48.8	3.87	3	5.7	12.6	3	Spooled
200	61.0	4.69	3	6.8	14.9	3	Spooled

*Other lengths available upon request

Electrical Data*	
No Fire Current	0.45 amps
All Fire Current	1.50 amps
Series Ignition Current	6.00 amps
No Fire Impulse	8 mJ/ohms
All Fire Impulse	16 mJ/ohms
Electrostatic Sensitivity	
Double Wire to Shell	20 kV/500 pF/100 mJ
Pin to Pin	10kV/500 pF/25mJ

* Meets or exceeds the IAGC and CAGC Recommended Product Testing Methods and Specifications for Conventional Bridge-wire type Electric Seismic Detonators for Use in Seismic Operations

Case Dimension:	11 1/4" x 7 5/8" x 5" 286mmx x194mm x 127mm
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SHELF LIFE

For optimum accuracy, use within five years from date of manufacture under good storage conditions.

TRANSPORTATION DATA

UN CLASSIFICATION

Shipping Name: Detonators, Electric

Class & Division: 1.4B

ID Number: UN 0255

US DOT REFERENCE NUMBER

1.4B EX-2006030288

1.1B EX-2014020187

STORAGE

Store in accordance with all applicable local, state, provincial and federal laws.

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For more information and service locations in your area, please contact Austin Powder Company's headquarters:



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