



PRODUCT INFORMATION

BROCHURE (CANADA)

1.1B

1.4B

STATIC★STAR



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 for extended periods. With the largest base charge in the industry, Static★Star electric detonators will initiate all detonator sensitive seismic explosives.

PRODUCT OVERVIEW

TECHNICAL DESCRIPTION

Electric seismic detonator for the geophysical industry.

ADVANTAGES

- Minimum 720 mg PETN base charge far exceeds the standard #8 strength detonator.
- 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.

PROPERTIES AND STANDARD PACKAGING

Length		Ohms Resistance (Ω)		Case Count	Case Weight		NEQ per Case (g)	Wire Configuration	Classification
(ft)	(m)	Min	Max		(lbs)	(kg)			
13	4	0.7	1.1	20	3.3	1.5	20	Fast 8	1.1B
25	7.5	0.9	1.3	20	5.5	2.5	20	Fast 8	1.4B
33	10	1.1	1.5	15	5.3	2.4	15	Fast 8	1.4B
43	13	1.3	1.8	10	4.6	2.1	10	Fast 8	1.4B
53	16	1.5	2	10	5.7	2.6	10	Fast 8	1.4B
63	19	1.6	2.2	10	6.7	3.1	10	Fast 8	1.4B
73	22	1.8	2.5	8	6.4	2.9	8	Fast 8	1.4B

Notes:
(1) Other lengths available upon request
(2) Resistance as measured at ambient temperature

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	10 kV/500 pF/25 mJ

* 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 ¼" x 7 5/8" x 5"
286 mm x 194 mm x 127 mm

SHELF LIFE, STORAGE & DISPOSAL

- For optimum accuracy, use within five years from date of manufacture under good storage conditions.
- Store in accordance with all applicable local, state, provincial and federal laws.
- Disposal of explosive materials can be hazardous. Methods of safe disposal of explosives may vary depending on the user's situation. Please contact an Austin Powder Technical Representative for information on safe practices.

TRANSPORT – UN CLASSIFICATION

Shipping Name: Detonators, Electric
Class & Division: 1.1B or 1.4B
ID Number: UN 0030 or UN 0255

US DOT REFERENCE NUMBER

1.4B EX-2006030288
1.1B EX-2014020187

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AUSTIN POWDER

Our Mission is to improve the world we live in through the safe and responsible use of explosives.