



PRODUCT INFORMATION BROCHURE

1.4B

E★STAR



LOGGER 2



TESTER LM-2



BLASTING
MACHINE



WRFD WIRELESS REMOTE BLASTING SYSTEM

E★STAR electronic detonators provide the highest level of quality, security, control and precise timing to provide consistent blasting results.

The use of this system requires specific training in all components. This training is in addition to the normal, required training that all blasters and blasting personnel have received.

Only equipment specifically designed for use with Austin Powder E★STAR detonators is permitted. An operator's manual is to be available at all times when using this equipment.

Temperature Specifications for Blasting Machine and Logger units:

Operating (use): -20°C to 50°C, -4°F to 122°F

Storage, long term: -20°C to 35°C, -4°F to 95°F

PRODUCT OVERVIEW

ADVANTAGES

- HDPE leg wires available in standard and heavy-duty configurations.
- Anti-slip friction grip (easy to use) connectors.
- Robust connector hinge.
- High accuracy delay from 1 - 20,000 ms.
- 3,200 detonator capacity (1,600 per blasting machine).
- Easy to open with one-hand weather-resistant, rugged connector.
- Surface and Underground applications.
- Dynamic pressure resistance.
- Multi-level, 100% detonator verification pre-blast.
- Copper shell.
- 750 mg explosive base charge.

TECHNICAL DESCRIPTION

Programmable electronic detonators



PACKAGING

Quarry/Mine (QM) Packaging					
Length		Case Count	Case Wt		Wire Configuration
[ft]	[m]	Outer	[lb]	[kg]	
16	4.9	80	16.5	7.5	Fast 8
24	7.3	80	21.6	9.8	Fast 8
30	9.1	80	24.5	11.1	Fast 8
40	12.2	60	22.3	10.1	Fast 8
50	15.2	40	18.9	8.6	Fast 8
60	18.3	40	20.1	9.1	Fast 8
65	19.8	40	21.4	9.7	Fast 8
80	24.4	45	31.1	14.1	Spooled
100	30.5	45	37.0	16.8	Spooled
120	36.6	26	27.6	12.5	Spooled
150	45.7	26	30.2	13.7	Spooled
175	53.4	26	32.0	14.5	Spooled
200	61.0	26	38.4	17.4	Spooled
225	68.6	20	33.7	15.3	Spooled
250	76.2	20	36.6	16.6	Spooled
Quarry/Mine (QM) / Heavy Duty (HD) Packaging					
16	4.9	80	20.1	9.1	Fast 8
24	7.3	80	25.3	11.5	Fast 8
30	9.1	60	23.1	10.5	Fast 8
40	12.2	50	24.0	10.9	Fast 8
60	18.3	30	20.7	9.4	Fast 8
65	19.8	30	26.4	12.0	Fast 8
60	18.3	45	25.7	11.7	Spooled
70	21.4	30	24.0	10.9	Spooled
80	24.4	30	27.1	12.3	Spooled
100	30.5	26	30.2	13.7	Spooled
120	36.6	26	34.8	15.8	Spooled
150	45.7	16	25.6	11.6	Spooled
175	53.4	14	25.4	11.5	Spooled
200	61.0	12	24.9	11.3	Spooled
225	68.6	12	27.9	12.7	Spooled
250	76.2	12	31.0	14.1	Spooled

SHELF LIFE, STORAGE & DISPOSAL

- Store in accordance with all applicable local, state, provincial and federal laws.
- For optimum accuracy, use within five years from date of manufacture under good storage conditions.

TRANSPORT – UN CLASSIFICATION

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

US DOT REFERENCE NUMBER

EX-2014030694

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AUSTIN POWDER

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