

DAVEYTRONIC® III



The Third generation of Davey Bickford's Daveytronic® Digital Blasting System offers more than ever before, enhanced performances and ease of use. The new system consists of a **newly re-engineered** detonator, an advanced Daveytronic® Blasting Machine with **wireless capabilities** and new **software** with innovative automated programming and blast design features.

Reliability

The electronic circuit of the Daveytronic® III is now encased in a pressure resistant resin. This encapsulation **provides a high pressure resistance** and makes it suitable **for the most severe dynamic** pressure applications.

Safety

The Daveytronic® III still relies on previously proven safety concepts such as the two-capacitor, two-way communication design. The Daveytronic® III now includes an additional **smart shunt** that permanently protects the fusehead up to the firing time, reaching an even higher level in safety. This distinctive active protection brings additional redundancy to the **safety** level of the Daveytronic® Blasting System.

Performance

Now programmable up to **16 s**, the Daveytronic® III allows further blast design capabilities. Its enhanced **communication speed** now reduces the on-bench programming time, as well as the diagnostics and firing procedure phases. New programming modes are also proposed to speed up the on-bench programming phase.



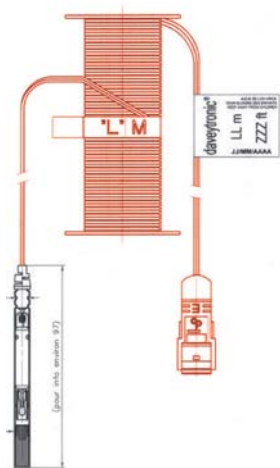
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 **davey bickford**

CaCO₃
Al₂SiO₃
SiO₂
BaSO₄
CaSO₄·2H₂O
CaSO₄

Ag
Al
Au
Cd
Co

Cd
Co



Technical Characteristics Detonator

Communication	Fully testable -2-way
Dynamic shock resistance	15000 psi
Water tightness	13 bars for 7 days
Operating temperature	-20°C to +45°C / -4 to 113°F
Storage temperature	-40°C to +70°C / -40 to 158°F
Detonator strength	#8 Strength
Tensile strength	> 320 N
Shelf life	2 years
Timing	Programmable, reprogrammable, pre-programmable
ESD resistance	Compliant to EN 13763-13 (25 KV)
RF resistance	Compliant to EN 13763-27
Traceability	Unique ID number
Environment	Lead-free ignition module

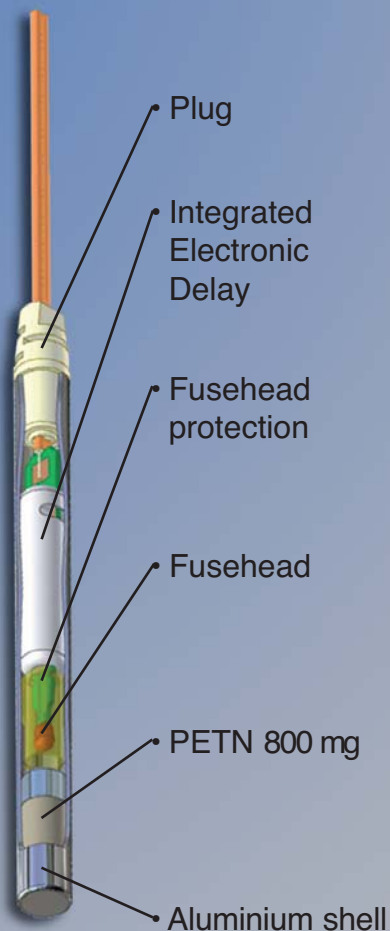
Performance

Maximum time delay	16000 ms
Minimum increment	1 ms
Maximum number of detonator	1500 (50m/164')
Firing line length	500 to 1000 m / 1640 - 3300'
Wireless range (line of sight)	2400 m / 1.5 mile

Packaging

UN shipping classification	1.4S
UN number	0456
Detonator configuration	4-6m/13-20' Wire bundle over 6m / 20' On Spool
Wire	HDPE Orange/Orange

Length(m/ft)	Qty/case	Weight (kg/lb)
10/32	80	7.5/17
15/49	72	8/17.5
20/65	72	9.5/21
25/82	72	11/24
30/98	64	11/24
35/115	56	11/24
40/131	56	12/26



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