

MAX-E Electronic Initiation Systems



TECHNICAL DATA SHEET – INITIATION SYSTEMS

MAX-E ELECTRONIC INITIATION SYSTEMS

MAX-E Electronic Initiation Systems consist of a high-energy detonator with a highly precise chip, a renovative-design plastic connector and robust leg wire of varying length. Blasting design are improved more with MAX-E in addition to high safety and accurate time.

APPLICATION

MAX-E Electronic Initiation Systems are suitable for use in blasting operations of surface and underground mining, quarry and construction projects where it is to be precisely blasted.

KEY BENEFITS

- High safety and security. Only Max-e Master Devices can blast Max-e detonators; with high current resistance of 220V AC, 48V DC and ESD 8000V; with 10W radio frequency resistance and stray current resistance.
- High Accuracy. Programmable delay time from 0ms to 1000ms with ± 1 ms;
- Multi-functional design including online communication, online detection, error alarm and fault location.
- High improvement on blasting design includes Increasing blasting scale, improving vibration control, achieving better fragmentation, better heave or cast, expanding blast patterns and reducing explosives consumption.

PHYSICAL PROPERTIES

Authorized Shipping Name	DETONATOR, ELECTRONIC for blasting
Initiating Power	No.8 Detonator (NEQ 1.03g)
Functional Temperature Range	-40°C ~ +80°C
Water Resistance	Immersed underwater at 30m for 72 hours, will function reliably.
Tensile Force	When pulled with 78.4N tensile force for one minute, all parts will remain connected reliably. 196N for wire.
The delay time	from 0 to 16000ms
The ability to initiate per blasts	7,500pcs
Firing Capability	1000m Wired blast or 2000m wireless blast

STORAGE AND HANDLING

During handling and transportation, the product should be handled with great care, and should never be dropped, knocked or subjected to any impact. It should always be stored away from sources of heat in a dry, cool, well-ventilated magazine. The shelf life of this product is two (2) years when stored correctly.



TECHNICAL CHARACTERISTICS

Lead Wire-Conductor material	Copper/Tin-coated Copper-clad steel
Lead wire-Jacket material and thickness	Polyurethane, 0.5-0.6mm
Lead wire - Thickness	3.4mm
Lead wire - Abrasion resistance (testing in accordance to 13763 European CEN standards)	8.3N of pressure, 8.1N of stretch, 6s
Lead wire - Elongation	300%
Detonator shell material	Aluminum alloy
Detonator Shell size	75mm long, 7.2mm in diameter
Connector	Polyethylene, polypropylene, mild steel, waterproof silicone grease

FULL SET OF COMPONENTS



Electronic digital detonator



Logger



Master device



Repeater



Slave-controller

MAX-E Electronic Initiation Systems

TECHNICAL DATA SHEET – INITIATION SYSTEMS



STANDARD PACKAGING GUIDELINES

SHOCK TUBE LENGTH (M)	PIECES / CASE
6	60
10	40
15	25
20	20
24	15
30	13
40	10
60	6

Class No.	1.1B
UN No.	0030
Packaging size	370mm*260mm*225mm
Net Weight	7kg
Gross Weight	8kg

MAX-E Electronic Initiation Systems are packed into sealed plastic bags, which are packed into corrugated cardboard cases.

SAFETY

First Aid - Refer to the Safety Data Sheet for MAX-E Electronic Initiation Systems, Nitro Sibir Ref. IS10.

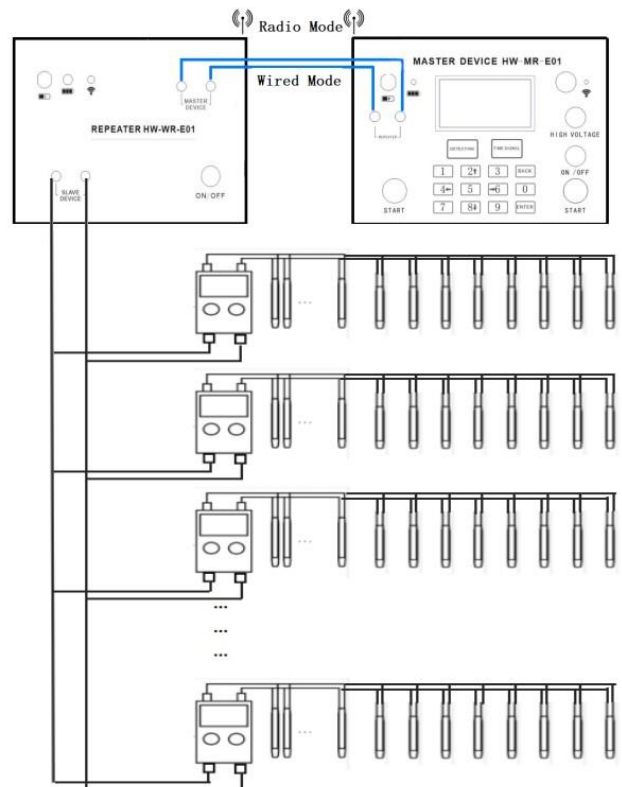
Safety – All explosives are classified as dangerous goods and must be handled and stored with care. Misuse may result in personal injury and/or damage to property.

Max-e control equipment contains rechargeable batteries. Please dispose of the equipment in an environmentally friendly manner. It should be recycled or disposed in the same way as normal consumer electronics containing batteries according to the legal requirement

TDS:IS10 VERSION: 1.0 LAST UPDATED: 01/20



DIGITAL BLASTING SYSTEM



---- END OF TDS ----

PRODUCT DISCLAIMER: The information contained in this technical bulletin is believed to be accurate, but cannot possibly cover every application or variation of conditions under which the product is used or tested. The specifications herein are based on the manufacturer's experiences, research and testing. Nitro Sibir Australia can not anticipate or control conditions under which this information and its products may be used. Each user is responsible for being aware of the details in the technical bulletin and the product applications in the specific context of the intended use. Nitro Sibir will not be responsible for damages of any nature resulting from the use or reliance upon the information. No express or implied warranties are given other than those implied as mandatory by Commonwealth, State or Territory legislation.