

Product Highlight: Testing Equipment



Buzz-Mo BCT-4
Continuity Tester

There are many dangers in the field of blasting and rock-breaking, most are managed with experience and careful planning. The worst of these will always be flyrock, with precautions however these dangers can usually become a manageable issue to contain and limit. The misfire, especially with an electric Nxburst™ cartridge can all but be eliminated with a good procedure, the right tools and discipline. This is where the testing equipment of a blaster comes into play, there are a wide array of galvanometers (ohmmeters) and continuity testers available on the market. Understanding the proper use and limitations of each will give the blaster the security of knowing that a cartridge and circuit are safe to fire. A continuity tester, which on its own or built into an initiator, provides the simplest form of testing. When using this type of tester the blaster will get feedback in the form of a light or vibration signaling a closed circuit.

A more advanced galvanometer or ohmmeter will actually provide the blaster with the total resistance of the circuit being tested. Knowing the resistance of a blast circuit provides additional information to the blaster above and beyond simple continuity. With the expected resistance printed on the cartridge label, it is simple to ensure that the total number of cartridges are wired in the circuit and that the circuit itself is closed. It will also more importantly give a no-resistance reading if any of the wiring has been damaged and inadvertently closed the circuit prematurely. During our Nxburst™ training we teach a three test approach to ensure potential issues are identified when they can be corrected easiest. First and foremost, measure the resistance of every cartridge before it is placed in a borehole. This provides a surety that every cartridge used was good and prevents having to deal with a confined cartridge that wont fire. Once the stemming has been completed the cartridge should be

checked again to ensure that stemming operation has not damaged the wiring and that cartridge is still in a “live” state. The firing line is also checked to ensure that it also has no damage prior to being introduced. If this procedure is followed every blast, the possibility of an error when the blaster tries to initiate the blast is almost zero. There is nothing worse than having a blast not fire or partially firing leaving explosives in the ground and the situation unknown.



Model 106 Ohmmeter



Digital DRC Ohmmeter



What's New

ISEE ANNUAL CONFERENCE IS HERE



46TH ANNUAL CONFERENCE ON
**EXPLOSIVES & BLASTING
TECHNIQUE**

JANUARY 26 29 2020 DENVER COLORADO USA

The ISEE's 46th annual conference on explosives and blasting and techniques is just around the corner, less than 3 weeks away in fact. It's the year's premier event for the blasting community and a definite must. With technical paper presentations ranging from accident investigations, the latest improvements in blast design theory as well as drilling techniques it is a conference you don't want to miss. We'll have lots of information on what is new and exciting in the world of Nxburst™, QuikDraw™ and the MacLean MDA drill. The conference events kick off on Friday January 24th and winding down on Wednesday January 29th. Hope to see you there!

SEE YOU AT BOOTH 901

<https://www.isee.org/conferences/2020-conference>



On January 2nd the ATF released their 2019 list of explosive materials. This list is the same as the 2018 list previously published with four explosives not previously listed. The annual list can be found by clicking the link below.

[2019 Annual List of Explosive Materials](#)

ANOTHER DECADE IN THE BOOKS



Well, another decade is in the rear-view mirror and it's onwards and upwards into the 2020's. We have got a lot on the horizon including new Nxburst™ cartridge sizes, the Fragmentor CC has just arrived and a new MacLean MDA for larger and deeper drilling. We'll keep you updated on our newsletters, website and social media. We wish you all the best in this new year!

Coogar Sales & Services is the proud distributor of Nxburst and the FRAGMENTOR throughout Canada, US and Mexico and has the stock to meet your demands. With our staff having a practical drill and blast experience we can guide you through even the most delicate of jobs safely and effectively helping you and your bottom line.

Give us a call at (866) 762-5835 or visit www.coogarsales.com

