

HIGH SPEED VOD/DATA RECORDERS



HandiTrap II[™]
VOD RECORDER



MicroTrap[™]
VOD/DATA RECORDER



DataTrap II[™]
DATA/VOD RECORDER



DAS[™]
DATA ACQUISITION SUITE



HIGH SPEED VIDEO CAMERAS



Blaster's Ranger II[™]
HIGH SPEED CAMERA



PWT[™]
PORTABLE WIRELESS TRIGGER



ProAnalyst[®]
SOFTWARE



MREL's Blasting Instrumentation Division manufactures the world's most popular and proficient family of continuous explosives velocity of detonation (VOD) recorders. These reliable, rugged instruments are in use throughout the world by blasters and explosives experts to verify the performance of explosives and delay time between holes and explosives decks.

MREL's Blasting Instrumentation Division provides affordable, portable high speed digital video camera systems for blasters and explosives experts. Each camera is supplied with ProAnalyst[®] Motion Analysis Software to allow determination of blasthole delay times and face velocities, and is also available with the Blaster's PWT[™] Portable Wireless Trigger System to operate the cameras from a safe distance.



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HIGH SPEED VOD/DATA RECORDERS

HandiTrap II[™] VOD RECORDER



The **HandiTrap II[™]** VOD Recorder is a 1 channel explosives velocity of detonation (VOD) recorder that is capable of profiling the VOD continuously along the explosives column in one blasthole per test or a sample of explosives on surface. With unparalleled ease-of-use the HandiTrap II[™] is a favourite of mines and quarries performing spot checks of explosives performance.

MicroTrap[™] VOD/DATA RECORDER



The **MicroTrap[™]** VOD/Data Recorder has 1 channel for recording explosives velocity of detonation (VOD) and optionally 4 channels more for recording any sensor that outputs ± 10 V signal. If you need to profile the VOD continuously along one explosives sample or continuously along one or more blastholes per test, then the MicroTrap[™] is your affordable choice.

DataTrap II[™] DATA/VOD RECORDER



The **DataTrap II[™]** Data/VOD Recorder has 8 channels that can be set to record explosives velocity of detonation (VOD) or any sensor that outputs ± 10 V signal (vibration, pressure, strain). If you need a rugged universal recorder that can record a variety of sensors and can also record the VODs in many explosives samples and/or blastholes per test, then consider the DataTrap II[™].

DAS[™] DATA ACQUISITION SUITE



DAS[™] Data Acquisition Suite allows Customers to program their MREL recorders, download recorded data, display graphs of the data, analyze, annotate and filter the data on the graphs easily in an iterative and intuitive manner. Graphical results can be copied and pasted into other Windows programs for inclusion in presentations and reports.

HIGH SPEED VIDEO CAMERAS

Blaster's Ranger II[™] HIGH SPEED CAMERA



The **Blaster's Ranger II[™]** is a High Speed Digital Video Camera with an ultra bright 178mm (7 inch) LCD touch-screen and internal battery for full functionality without the use of an external controller or battery. The Blaster's Ranger II[™] is the successor to the world's most popular camera for recording blasting events in the mining and quarrying environments. Simply point and shoot to capture excellent quality video.

PWT[™] PORTABLE WIRELESS TRIGGER



The **Blaster's PWT[™]** Portable Wireless Trigger allows operators to send a trigger signal to their cameras or other instrumentation from a remote distance without needing to utilize long trigger wires. This allows blasters to position one or more cameras closer to the blast than might be considered safe for a person and then trigger the cameras wirelessly from up to 500 m (1640 ft.) away.

ProAnalyst[®] SOFTWARE



ProAnalyst[®] Motion Analysis Software for Windows provides quantitative information from high speed digital videos taken of events that occur too quickly for the eye to see. Some of the quantitative data includes the actual hole and deck delay times, the time of first rock face movement, the rock face velocities and the stemming ejection velocities.

MREL Group of Companies Limited

5-779 Sir John A MacDonald Blvd., Kingston, Ontario K7L 1H3, Canada

+1.613.545.0466 sales@mrel.com @mrel

Visit our website

www.mrel.com