



RB1670 SMARTBLAST[®]

- Two-Way Communications
- Safe, Reliable and Cost Efficient
- Electric and Shock Tube Detonation
- Automatic Disarm with Timer

FEATURES

Smartblast® works in conjunction with a mine's Leaky Feeder system to safely provide full, two-way blast control for underground and surface applications.

This technology has over 15 years of military and commercial experience, and now it is available for use in the tunneling and mining sectors.

Smartblast® uses the latest microprocessor and message encoding/validation technology that has been combined to provide a safe, reliable and accurate remote firing device. Smartblast has a versatility and reliability not before seen in initiation systems and has the capability to initiate non-electric shock tube, as well as standard electric blasting caps.

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS

Carrier Frequency	VHF -136 to 174 MHz; UHF -440 to 470 MHz
Frequency Stability	VHF + 5 ppm; UHF + 3 ppm
Modulation	11K0F3D (AFSK)
Transmit Power	1 - 5 Watts
Operating Voltage	12 Vdc
Transmission Range	1 - 5 miles*
Receiver Sensitivity	12 dB SINAD:<0.45uV
Fire Output (Electric)	27 volts (1.2 joules)
Fire Output (Non-Electric)	2.5 kV (0.625 joules)

MECHANICAL DATA

Dimensions (W x D x H)	255 x 305 x 114 mm (10 x 12 x 4.5 in)
Weight (nominal)	3.3 kg (7.25 lbs)
Construction	Waterproof Pelican 1200

ELECTRICAL DATA

Battery Pack	Rechargeable NiMH
Battery Life	Standby 12 hrs Complete recharge 4 hrs
Current Consumption	Standby 135 mA
Operating Temperature	-30 to +60° C (-22 to +140° F)
Optimum Battery Range	0 to 50° C

* Line-of-sight. Typical transmission range based on power level, frequency, terrain, and local interference.

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

Rev. F