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i-kon™ System Hardware

Logger I  
**SAP Code: XREL**

A hand-held logging and testing device capable of logging a maximum of 200 i-kon™ detonators per Logger I. An inherently safe device used on bench to communicate and assign delay times and firing sequences to i-kon™ detonators.

Logger unit includes:
- Logger I charger
- Logger I cable
- Blue nylon carry bag and Strap.

*All accessories can be purchased separately.*

Blaster 400  
**SAP Code: XB400E**

A hand-held device able to provide the voltage and digital signal required to fire up to 400 detonators via two Loggers I from a safe location.

Blaster 400 unit includes:
- Blaster 400 charger
- Blaster 400 firing key
- Red nylon carry bag and Strap

*All accessories can be purchased separately.*

Blaster 2400S  
**SAP Code: XB2400S**

The Blaster 2400S is used to charge, program and control the firing of i-kon™ detonators. The Blaster 2400S can fire up to 2,400 detonators on 12 Loggers I individually and 4,800 detonators when synchronised to another Blaster (2 x Blaster 2400S working together via a master slave system). Not capable of remote firing.

Blaster 2400S unit includes:
- 2400S firing key
- Blaster 2400S charger

*All accessories can be purchased separately.*
Logger II  
**SAP Code: XRELII**

The Logger II is used to register (log) i-kon™ detonators and test the detonator network. When logging a detonator, the Logger stores the detonator ID and the following data:

- Logging in automatic or manual mode:  
  Position in the order of logging  
  Delay time
- Logging in delay number mode:  
  Position in the order of logging  
  Delay number
- Logging in SHOTPlus mode:  
  Position in the designed order  
  Borehole identification  
  Delay time
- Test functions
- The Logger II measures the current in the detonator network and announces leakage warnings.
- The Logger II tests the responses of the detonators and announces detonator errors.

Logger II unit includes:
- Logger II Charger
- Logger II Cable
- Logger II Carry bag and Strap

*All accessories can be purchased separately.*

Blaster 3000  
**SAP Code: XB3000SATEL**

The B3000 is used to initiate the detonator arrays. B3000 has great performance and multiple interesting features such as:

- Multiple Remote capability to control up to 6 Remote
- Remote Synchro capability
- Repeater capability
- Single frequency of operation
- Multi-functional blaster
- Single blast report on the Controller
- USB Interface for easy data transfer (firmware, reports)
- Improved RF communication
- Compatible with Logger I and Logger II

Blaster 3000 unit includes:
- Master Dongle
- Remote Dongle
- Blaster 3000 Antenna
- Blaster 3000 charger

*All accessories can be purchased separately.*
Blaster 2400R with Easy Modem
SAP Code: XREB2400REM

The second of the SURBS components, the Blaster 2400R is the master firing unit used to remotely control the Surface Remote Blast Box (SURBB), capable of firing up to 2400 detonators.

Blaster 2400R unit includes:
- SURBS antenna
- SURBS battery charger
- SURBS dongle (black)

*All accessories can be purchased separately.*

Surface Remote Blasting System (SURBS) with Easy Modem
SAP Code: XRESURBBEM

The first component of the Surface Remote Blasting System (SURBS) which allows the initiation of surface blasts from a safe line of sight location. Also pictured is the dongle, a feature to enable encrypted communications between i-kon™ blast control hardware, thus ensuring improved security. The SURBB provides the voltage and digital signal required to fire up to 2400 detonators via 12 Loggers I.

SURBB unit includes:
- SURBS antenna
- SURBS battery charger
- SURBS antenna elbow
- SURBS dongle (black)

*All accessories can be purchased separately.*
Centralized Electronic Blasting System (CEBS)
Remote Blast Boxes (RBB)

The CEBS consists of Remote Blast Box (RBB) and a Lock Box (LB) together with an Logger I. The system utilizes the mine’s existing communication infrastructure (analogue telephone, Leaky Feeder, or WLAN/LAN) to remotely initiate underground blasts from a safe firing point. The RBB provides the voltage and digital signal required to fire up to 2400 i-kon™ Detonators. CEBS can be used via: Analogue telephone, Leaky Feeder or LAN/WLAN.

Analogue Telephone Remote Blast Box (RBB)
SAP Code: XREDCBSR
Remote Blast Box (RBB) unit includes:
- RBB Key
- RBB cable to phone modem
- RBB battery charger
- RBB smart dongle (white)

All accessories can be purchased separately.

LAN/WLAN Remote Blast Box (RBB)
SAP Code: XREDCBSRLW
Remote Blast Box (RBB) unit includes:
- RBB Key
- RBB LAN modem cable.
- RBB battery charger
- RBB smart dongle (white)
- WLAN antenna

All accessories can be purchased separately.

Leaky Feeder Remote Blast Box (RBB)
SAP Code: XREDCBSRLFUHFNA (UHF Modem)
SAP Code: XREDCBSRLFNA (VHF Modem)
Remote Blast Box (RBB) unit includes:
- RBB Key
- RBB LF Radio modem (internal)
- RBB battery charger
- RBB smart dongle (white)
- Leaky feeder antenna

All accessories can be purchased separately.

(RBB has a binding post protector)
Centralized Electronic Blasting System (CEBS)
Lock Boxes (LB)

The CEBS Lock Box integrates with a central blasting software package housed on the blast controller’s computer to control the CEBS Remote Blast Box. Capability of firing up to 2400 detonators. Communication is via the mines existing communication system, either: Analogue, Leaky Feeder or LAN/WLAN.

Analogue Telephone Lock Box (LB)
SAP Code: XREDCBSL
CEBS Lockbox unit includes:
- Lock Box key
- Lock Box modem
- Lock Box telephone cable
- Lock Box power cord
- Lock Box communication cable
- Lock Box master dongle (green)

All accessories can be purchased separately.

LAN/WLAN Lock Box (LB)
SAP Code: XREDCBSLLW
CEBS Lockbox unit includes:
- Lock Box key
- Lock Box power cord
- Lock Box communication cable
- Lock Box master dongle (green)

All accessories can be purchased separately.

Leaky Feeder Lock Box (LB) (UHF & VHF)
SAP Code: XREDCBSLLFUHF (UHF Modem)
SAP Code: XREDCBSLLF (VHF Modem)
CEBS Lockbox unit includes:
- Lock Box key
- Lock Box modem
- Lock Box power cord
- Lock Box communication cable
- Lock Box master dongle (green)
- Lock Box Antenna (VHF or UHF)

All accessories can be purchased separately.

CEBS Head End Modem Leaky Feeder (VHF)
SAP Code: XREDCBSHMLFNA (VHF Modem)
Includes:
- Head End modem (VHF)
CEBS Head End Modem Leaky Feeder (UHF)
SAP Code: XRESPLTUHFRM (UHF Modem)
Includes:
- Head End modem (UHF)

i-kon™ Accessories

SHOTPlus™ Standard Software
Software link and Product key can be requested via e-mail to:
luis.cares@orica.com
SAP Code:
XSP5    SHOTPlus Standard
XSP5PREMIER    SHOTPlus Premier Installation Fee
XSP5PREMIERLIC    SHOTPlus Premier Annual License Fee
XSPLUSUG    SHOTPlus Underground 1 year Lease
SHOTPlus™-i is a Windows® compatible blast initiation sequence program designed exclusively for use with the Digital Energy Control System. SHOTPlus™-i, SHOTPlus™ UG and SHOTPlus™ (applications can be downloaded via the Blaster Desk Top) provides a simple and convenient way to design, analyse and optimise blasts. The highly visual interface makes the program easy to use and provides full Windows® functionality.

EBS XS880 SERIAL Converter, USB 2.0 TO RS232
SAP Code: XEBSUSB2RS232
Serial (RS232) to USB converter, compatible with:
Windows 7 32/64, Vista 32/64 & XP32/64.

EBS Connection Box
SAP Code: XEBSCB
The EBS connection box is to connect multiple Loggers I to the firing cable.
Connect Loggers I to the ports 1 to 6. If you have more than 6 Logger I, connect another EBS Connection box to the "IN" terminals and Connect the firing cable to the "OUT" terminals.
EBS Connection Box unit includes:
- EBS Banana to Banana Connection Cable
  (Sold separately)
SAP Code: XEBSCBC
i-kon™ Field Connector 6  
SAP Code: XAC02066  
A box of 100 insulation displacement blue connectors to carry signal from the i-kon™ detonator to i-kon™ duplex harness wire.

i-kon™ Field Connector 6 with 100g Grease Tube  
SAP Code: XAC02065  
A box of 100 insulation displacement blue connectors to carry signal from the i-kon™ detonator to i-kon™ duplex harness wire, including a Tube of 100g of Silicone Grease.

EBS Silicone Grease  
SAP Code: XEBSSTSC444  
100g Tube of T-SC Silicone Grease to insulate the harness wire connection to the Connector 6 IDC Terminals

CEBS Analogue Lockbox modem spare  
SAP Code: XREDCBSM  
The Kit contains:  
- Modern  
- Cable (connected)
Copy Cable  
**SAP Code: XCCB**

Cable is used to copy data contained on one Logger I to another Logger I. Used to set-up frequency synchronization between a Blaster 2400R and a Surface Remote Blasting Box.

Synchronisation Cable  
**SAP Code: XSYNCF**

Synchronisation cable is used to link two Blaster 2400S together to fire up to 4,800 i-kon™ detonators over 24 Loggers I.

Download Cable  
**SAP Code: XDCA**  
- XDCA 3.25 feet (1 meters), Typ A  
- XDCA6 6 feet (1.83 meters)

Cables used for data transfer between the Logger I and Orica SHOTPlus™-i program, which downloads reports from Loggers I and Blast Boxes to a computer.

Stethoscope Cable  
**SAP Code: XSTETHCBLII**

Allows for quick connection between i-kon™ & Logger I and i-kon™ harness wire for trouble shooting.
**Connection Cable Logger I to Blaster**  
SAP Code: XCONCD  
Spare connection cable from logger to the blasting equipment.

**90° Connection Cable Logger to Blaster**  
SAP Code: XCONCDII90  
Spare connection cable from logger I to the blasting equipment.

**Banana plug to alligator clip test lead**  
SAP Code: XEBSBPACTL

**Logger I to Splice Cable**  
SAP Code: XRELSCII

**Spare RBB Phone Cable, Heavy Duty, 10’**  
SAP Code: XRBBXCBCL
Spare RBB Phone Cable, Heavy Duty, 3’
SAP Code: XRBBXCBLS

Spare LB Analogue Phone
SAP Code: XAPC3M
Cable, 4.3m / 14Ft - RJ-11 6P4C Modular Straight Cable.

Spare RBB cable to LAN modem
SAP Code: XREDCBSRLWCBL

Spare LB cable to LAN modem.
SAP Code: XCAT5ENC
CAT5E Network Cable, 3m / 10Ft Cat5e, 350Mhz, Snag less Patch Cable, White

EBS Multi use Charger
SAP Code: XCHGRH
Charger, output 12V DC/1.25A, input 100-240V AC.
Used with:
- XREL – Logger I
- XRELI - Logger II
- XB400E - Blaster400
**Blaster 2400S Charger Typ G**  
**SAP Code:** XCHGRG  
Charger for Blaster 2400S, output 15V DC/1.20A, input 100-240V AC.

**SURBS/B2400R Charger**  
**SAP Code:** XCHGRSURBB  
SURBS charger can be used for SURBB and B2400R, output 15V DC/1.20A, input 100-240V AC.

**CEBS RBB Charger**  
**SAP Code:** XCHGRRBB  
CEBS charger can be used for RBB, output 15V DC/1.20A, input 100-240V AC.

**Blaster 3000 AC Power Supply**  
**SAP Code:** XREB3000PSII  
Spare Blaster 3000 AC Power Supply

**Vehicle Charger for Logger or Blaster 400**  
**SAP Code:** XVCHGR400  
Vehicle charger cable to charge Loggers and Blasters 400
i-kon™ 2.2 KΩ Resistor  
SAP Code: X2K2BLTI

EBS Protective Cable End CAP  
SAP Code: XEBSPCEC
End Cap to protect binding connector for all EBS cables.

SURBS Cap Antenna Socket  
SAP Code: XSURBSAKA
Cap antenna socket to protect the SURBS antenna port.

i-kon™ Charging Port Connector Cap for B3000 & RBB  
SAP Code: XAC02030

EBS Sling Bag  
SAP Code: XREOBAGWP
A specially designed Yellow Sling Bag with a side Pocket to assist deployment of the EBS system at the face or on bench. Designed to deploy a single reel of the draw-from-centre harness wire. Side pocket can be used to carry accessories, tools and/or equipment.
Logger I Nylon Carry Bag (Blue)
SAP Code: XBAGLOG
A specially designed carry bag with strap to keep Logger I dry and free from dust and grease.

Blaster 400 Nylon Carry Bag (Red)
SAP Code: XBAGB400
A specially designed carry bag with strap to assist keeping Blaster dry and free from dust and grease.

EBS Shoulder Harness
SAP Code: XAC02088
A specially designed adjustable shoulder harness.

EBS Logger II Carrying Bag
SAP Code: XAC02090
A specially designed carry bag with strap to keep Logger II dry and free from dust and grease. This carry bag can be used with the EBS Shoulder Harness or by itself.
- Including Neck Sling
EBS Black Right Sling Bag  
SAP Code: XAC02091

A specially designed black Sling Bag for the right hip. Designed to deploy a single reel of the “draw-from-centre” harness wire at the face or on bench. Includes a second pocket that can be used to carry accessories and tools.

EBS Black Left Sling Bag  
SAP Code: XAC02092

A specially designed black Sling Bag for the left hip. Designed to deploy a single reel of the “draw-from-centre” harness wire at the face or on bench. Includes a second pocket that can be used to carry accessories and tools.

EBS Cargo Sling  
SAP Code: XAC02089

Help to carry a Box

EBS Harness System

The EBS Harness System is composed of the following items:

- EBS Shoulder Harness  
  SAP Code: XAC02088
- EBS Logger II Carrying Bag  
  SAP Code: XAC02090
- EBS Black Right Sling Bag  
  SAP Code: XAC02091
- EBS Black Left Sling Bag  
  SAP Code: XAC02092
- EBS Cargo Sling  
  SAP Code: XAC02089
EBS Connector Dock
SAP Code: XILOGIID

The EBS Connector Dock is an i-kon™ accessory that can ONLY be used for i-kon™ type connectors. It is a tool for logging the detonator without the need to open the connector (i-kon™ connectors only).

EBS Antenna (440-470MHz) 12” TNC
SAP Code: XSURBSPRANT

A spare Surface antenna for i-kon™ SURBB and i-kon™ Blaster 2400R. Also for Blaster 3000.

EBS TNC Magnetic Mobile Antenna Base
SAP Code: XRTNCMMAB

Magnetic Antenna Base for Surface & 12’ (3.6m) cable.

This can be used with:
- Blaster 2400R
- SURBB
- Blaster 3000
- uni tronic BB310R
- uni tronic BB310RNA

Note: antenna is ordered separately.

SURBS & B3000 Antenna Elbow
SAP Code: XSURBSWST

An antenna elbow to TNC connect the SURBB antenna to the side of the blast box.

CEBS LF Antenna Hook BNC Connector
SAP Code: XICBSALFH

A VHF antenna used in the CEBS. Leaky Feeder Std Metal Antenna attaches to the Magnetic Base below.
CEBS LF Antenna (VHF)
SAP Code: XICBSSALFVHF

VHF stubby antenna attaches to the CEBS equipment with the elbow. The antenna must be cut to the right length to function at desired frequency as per chart below.

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<th>Frequency in MHz</th>
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<tr>
<td>156mm</td>
<td>152MHz</td>
</tr>
<tr>
<td>153mm</td>
<td>154MHz</td>
</tr>
<tr>
<td>151mm</td>
<td>156MHz</td>
</tr>
<tr>
<td>148mm</td>
<td>158MHz</td>
</tr>
<tr>
<td>146mm</td>
<td>160MHz</td>
</tr>
<tr>
<td>144mm</td>
<td>162MHz</td>
</tr>
<tr>
<td>142mm</td>
<td>164MHz</td>
</tr>
<tr>
<td>141mm</td>
<td>166MHz</td>
</tr>
<tr>
<td>139mm</td>
<td>168MHz</td>
</tr>
<tr>
<td>138mm</td>
<td>170MHz</td>
</tr>
<tr>
<td>136mm</td>
<td>172MHz</td>
</tr>
<tr>
<td>134mm</td>
<td>174MHz</td>
</tr>
<tr>
<td>132mm</td>
<td>176MHz</td>
</tr>
</tbody>
</table>

CEBS LF Antenna (UHF)
SAP Code: XICBSALF

UHF stubby antenna attaches to the CEBS equipment with the elbow. The antenna must be cut to the right length to function at desired frequency as per chart below.

<table>
<thead>
<tr>
<th>Length in mm</th>
<th>Frequency in MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>200mm</td>
<td>375MHz</td>
</tr>
<tr>
<td>190mm</td>
<td>400MHz</td>
</tr>
<tr>
<td>180mm</td>
<td>422MHz</td>
</tr>
<tr>
<td>170mm</td>
<td>450-470MHz</td>
</tr>
<tr>
<td>160mm</td>
<td>470-490MHz</td>
</tr>
</tbody>
</table>
CEBS LF Antenna
SAP Code: XLFSMA

A portable antenna used in the CEBS. Leaky Feeder Std Metal Antenna attaches to the Magnetic Base below. The antenna must be cut to the right length to function at desired VHF or UHF frequency as per chart below.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>FREQUENCY</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>138 - 154 MHz.</td>
<td>18&quot;</td>
</tr>
<tr>
<td>2</td>
<td>141 - 158 MHz.</td>
<td>17 1/2&quot;</td>
</tr>
<tr>
<td>3</td>
<td>144 - 162 MHz.</td>
<td>17&quot;</td>
</tr>
<tr>
<td>4</td>
<td>146 - 164 MHz.</td>
<td>16 3/4&quot;</td>
</tr>
<tr>
<td>5</td>
<td>148 - 166 MHz.</td>
<td>16 1/2&quot;</td>
</tr>
<tr>
<td>6</td>
<td>152 - 170 MHz.</td>
<td>16&quot;</td>
</tr>
<tr>
<td>7</td>
<td>156 - 174 MHz.</td>
<td>15 1/2&quot;</td>
</tr>
<tr>
<td>8</td>
<td>160 - 178 MHz.</td>
<td>15 1/4&quot;</td>
</tr>
<tr>
<td>9</td>
<td>166 - 184 MHz.</td>
<td>14 1/2&quot;</td>
</tr>
<tr>
<td>10</td>
<td>171 - 189 MHz.</td>
<td>14&quot;</td>
</tr>
<tr>
<td>11</td>
<td>406 - 470 MHz.</td>
<td>5 1/4&quot;</td>
</tr>
<tr>
<td>12</td>
<td>450 - 480 MHz.</td>
<td>4 5/16&quot;</td>
</tr>
</tbody>
</table>

CEBS LAN/WLAN WIPORT WIFI ANTENNA
SAP Code: XRBBLWLA

CEBS LF Antenna Magnetic Base
SAP Code: XLFDPAMB

A VHF antenna Magnetic Base used in the CEBS. Leaky Feeder Antenna Magnetic Base comes with 10’ (3m) cable and male BNC connector.

CEBS LF Cable
SAP Code: XLFDPCA

A VHF Cable used in the CEBS. Leaky Feeder 5’ (1.5m) Cable with M/M BNC Connector. (From Head End Modem to Head End monitor cabinet)
CEBS LF Cable
SAP Code: XLFDPC
A Cable used in the CEBS ONLY. Leaky Feeder 34’ (10.4m) Cable with M/F connector. (From Lock Box Modem to Magnetic Antenna)

Dongle and Keys

SURBS Dongle (Black)
SAP Code: XSURBS
A component of the SURBS which allows the initiation of surface blasts from a safe line of sight location. Encrypted communications between i-kon™ blast control hardware, thus ensuring improved security.

RBB Smart Dongle (White)
SAP Code: XRBBSPRDGL
A component of the i-kon™ CEBS which allows the initiation of underground blasts from a control location on the surface. A random 32 bit digital key code of the Remote Blast Box is written to the Smart Dongle every time the Remote Blast Box is restarted.

Lockbox Master Dongle (Green)
SAP Code: XCBSSMSTRDII
A component of the CEBS software package housed on the blast controller’s computer to control the CEBS Remote Blast Box. Inserted into CEBS LockBox at blast time.

Blaster 400 Firing Key
SAP Code: XB400DONG
Firing key required to activate communications and initiate the blasting sequence when using the Blaster 400. Note: a Blaster 400 key has a black cap
Blaster 2400S Firing Key  
SAP Code: XB2400SKEY

Firing key that must be inserted into the Blaster 2400S to initiate the blasting sequence. It has a white plastic cap as pictured.

Logger Beep Booster     
SAP Code: XBEPP1

Amplifies the Logger’s beep for logger confirmation.

Blaster 3000 Dongle Remote (Blue) with Lanyard  
SAP Code: XAC02005

Remote Dongles are marked with a blue belt and record access data on Remote Blasters. You cannot fire a blast with a blue Remote Dongle.

Blaster 3000 Dongle Master (Red) with Lanyard  
SAP Code: XAC02004

The red marked Master Dongle is needed to control the blasting sequence and to fire the blast.

Lockbox/Remote Blast Box Spare Key     
SAP Code: XCEBSKEY

Key that must be inserted into the Remote Blast Box ON/OFF switch and also inserted into the Lockbox Emergency Stop switch. Both are needed to activate communications and initiate the blasting sequence. A set is included for both RBB and Lockbox when purchased. The keys are interchangeable.
**EBS i-kon™ /OSEIS equipment binder cap**  
*SAP Code: XEBSIOEBC*

Binder cap to protect the binder Logger I & Blaster400 connector.

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**EBS Wire Deployment Tool**  
*SAP Code: XEBSWDT*

The wire deployment tool is to be used by blasters for wire deployment of EBS products on spools. The tool consists of a durable aluminum tube with ergonomic handle, attached to a retractable belt clip. The wire deployment tool is intended to be a portable and easy to use alternative to the wooden rod found in each case of i-kon™ product on spools. The tool will provide an improved wire deployment experience that blasters will love to use.
Training Aids

i-kon™ Dummy Puck
SAP Code:
XPUCKDUMMYII (20cm)
XPUCKIIHIGH (20cm with High leakage) (4.8 – 4.9ma)
XPUCKIILOW (20cm with Low leakage) (1.4 – 1.5ma)

Dummy i-kon™ detonator series display used for training purposes.

EBS Universal dummy puck with a latch on LED.
SAP Code: XPUCKDUMMYLED

This universal dummy puck has features including a latching “fired” indication, an automatic LED reset after a period of 1 hour to save battery power, plus a pushbutton for resetting the “fired” indication. It can be used as a i-kon™, uni tronic 600, eDev II and oseis II training puck.
A replaceable lithium battery providing 150 hours of continuous LED operation.
**EBS Cold Weather Warming Pouch (CWWP)**

**EBS Cold Weather Warming Pouch for Logger I**  
c/w Battery, and Battery Charger

**SAP Code: XEBSCWWP1**

The Cold Weather Warming Pouch (CWWP-1), is designed to contain a Logger I, Tester, B400, Shooter II or RDI tester and keep it at a reliable operating temperature in sub-zero conditions. It is designed so they can be operated while still inside the CWWP-1. The heater in the pouch is powered by a rechargeable 12VDC battery. Connections are made via sealed locking connectors.

**EBS Cold Weather Warming Pouch for Logger II**  
c/w Battery, and Battery Charger

**SAP Code: XEBSCWWP2**

The Cold Weather Warming Pouch (CWWP-2), is designed to contain a Logger II, Tester III, Scanner 260 or Scanner 200 and keep it at a reliable operating temperature in sub-zero conditions. It is designed so they can be operated while still inside the pouch. The heater in the pouch is powered by a rechargeable 12VDC battery. Connections are made via sealed locking connectors.

The following Ext Cable must be order to complete The Cold Weather Warming Pouch kit Logger II.

**EBS Extension Cable**  
**SAP Code: XAC02082**

90° Banana plugs to EBS Connector

**EBS Cold Weather Warming Pouch Spare Battery**  
**SAP Code: XEBSCWWPSB**

Spare rechargeable 12VDC battery

**EBS Cold Weather Warming Pouch Charger**  
**SAP Code: XEBSCWWPC**

Spare battery 12VDC charger
EBS Extension Cable
SAP Code: XAC02082
90° Banana plugs to EBS Connector

EBS Cold Weather Warming Box (CWWB)

EBS Cold Weather Warming Box (CWWB)
For SURBBS & (12x) Logger I

SAP Code: XEBSCWWB

The Cold Weather Warming Box (CWWB), is designed to contain a SURBB and a full complement of 12 loggers I and keep them at a reliable operating temperature in sub-zero conditions. It is designed so after the logging process is complete the equipment can be closed inside the boxes and all connections to the det. network are made externally.
The heater in the box is powered externally from a 12VDC battery or the 12VDC supply portion of a gas generator. Connections are made via sealed locking connectors.

(Pelican Case 1690  Dimension W: 33.36” H: 18.23” D: 28.44”)

EBS Cold Weather Warming Box (CWWB-2)
For Blaster 3000

SAP Code: XEBSCWWB2

The Cold Weather Warming Box (CWWB-2), is designed to contain a B3000 and keep it at a reliable operating temperature in sub-zero conditions. It is designed so after the logging process is complete the equipment can be closed inside the boxes and all connections to the det. network are made externally.
The heater in the box is powered externally from a 12VDC battery or the 12VDC supply portion of a gas generator. Connections are made via sealed locking connectors.

(Pelican Case 1610  Dimension W: 24.83” H: 11.88” D: 19.69”)

EBS Cold Weather Warming Box (CWWB)
EBS Cold Weather Warming Box (CWWB-3)
For (12x) Logger I

**SAP Code: XEBSCWWB3**

The Cold Weather Warming Box (CWWB-3), is designed to contain a full complement of 12 logger I’s and keep them at a reliable operating temperature in sub-zero conditions. It is designed so after the logging process is complete the equipment can be closed inside the boxes and all connections to the det. network are made externally. The heater in the box is powered externally from a 12VDC battery or the 12VDC supply portion of a gas generator. Connections are made via sealed locking connectors.

(Pelican Case 1610 Dimension W: 24.83” H: 11.88” D: 19.69”)

EBS Cold Weather Warming Box (CWWB-4)
For (5x) Logger II

**SAP Code: XEBSCWWB4**

The Cold Weather Warming Box (CWWB-4), is designed to contain a full complement of 5 logger II’s and keep them at a reliable operating temperature in sub-zero conditions. It is designed so after the logging process is complete the equipment can be closed inside the boxes and all connections to the det. network are made externally. The heater in the box is powered externally from a 12VDC battery or the 12VDC supply portion of a gas generator. Connections are made via sealed locking connectors.

(Pelican Case 1600 Dimension W: 24.25” H: 8.68” D: 19.43”)

EBS Cold Weather Warming Box Generator
For CWWB, CWWB-2, CWWB-3 & CWWB-4

**SAP Code: XEBSCWWBG**
EBS Cold Weather Warming Box
Next Gen Set

EBS Cold Weather Warming Box (CWWB-2)
SAP Code: XEBSCWWB2

EBS Cold Weather Warming Box (CWWB-4)
SAP Code: XEBSCWWB4

EBS Cold Weather Warming Box Generator
SAP Code: XEBSCWWBG

Please note that the images in this catalogue are not to scale.

For further information on the full range of Orica’s Electronic Blasting Systems please visit our website www.oricaminingservices.com or contact your local Orica Representative.

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