1083 Multi-Charger

The 1083 Multi-Charger provides independent simultaneous charge, configuration and test for multiple 1000/1100 Series beacons. Designed for operation in a vessel’s operations room, the 1083 Multi-Charger provides increased flexibly for the user.

The 1083 Multi-Charger can independently charge three 111x, 101x, 103x or 106x Series beacons or a single 105x Seabed beacon.

Easy to operate with a large LCD backlit display and 4 stylised buttons complete with 4 charge status indicators.

Key Features

- Independent fast charging of multiple 1000/1100 Series beacons
- Easy to operate with 4 buttons and backlit LCD display.
- Dedicated charger for the Spread Spectrum Seabed beacons
- Responder test functions
- Compatible beacon trickle charge function

Technical Specification

PHYSICAL

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>251 x 87 x 304mm</td>
</tr>
<tr>
<td>Weight</td>
<td>2.0kg</td>
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<tr>
<td>User Interface</td>
<td>4 Select buttons</td>
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<tr>
<td></td>
<td>4-line backlit LCD</td>
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<tr>
<td></td>
<td>4 Independent status Indicators</td>
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<tr>
<td>Thermal Protection</td>
<td>50°C trip</td>
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<tr>
<td>CE Marking</td>
<td>Externally assessed for immunity and emissions. Conforms to 89/336/EEC RoHS</td>
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</tbody>
</table>
**1083 Multi-Charger Technical Specification**

**CONNECTIONS**

| Charge Ports 1 & 2 | 9-Way D Type socket (3), 111x, 101x, 103x, 106x Series beacons  
|                   | Charge function  
|                   | Responder test function  
| Charge Port 3     | 9-Way D Type socket (3), 111x, 101x, 103x, 106x Series beacons  
|                   | Charge function  
|                   | Responder test function  
|                   | Communication for beacon configuration  
| Charge Port 4     | 10-Way Bulkhead connector, 105x Series beacons  
|                   | Charge function  
|                   | Responder test function  
|                   | Communication for beacon configuration  
| Vac Input         | IEC Socket 90-250Vac  
| Beacon connection cable | Applied Acoustics part number; CHA-1082-4000. (111x, 101x, 103x, 106x)  
|                   | Applied Acoustics part number; CHA-1083-4000. (105x)  

**OPERATION**

| Modes            | Configured independently;  
|                  | Fast beacon identification  
|                  | Beacon configuration (Port 3 only)  
|                  | Responder test  
|                  | Trickle charge  
| Fast charging    | Independent simultaneous charging of 3 (three) 111x, 101x, 103x or 106x beacons  
|                  | Single charging of one 105x beacon  

| Charge time      | 111x, 101x: 2-3 Hours  
|                 | 103x: 3-4 Hours  
|                 | 106x: 14 Hours  
|                 | 105x: 30 Hours  

Times are typical and will vary depending on charge status of the battery.