**HMX Block Detonator (RED®) Fast Response**

<table>
<thead>
<tr>
<th>Part No.: 101905821</th>
<th>PROPER SHIPPING NAME</th>
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<tbody>
<tr>
<td>CE Certificate No.: CE0519, ENB/D/008</td>
<td>UN0255, DETONATORS, ELECTRIC, 1.4B, PG II</td>
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<td>DOT EX No.: EX1995010044</td>
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**Technical Drawing**

![Diagram](image)

1. Housing
2. Detonator
3. Wires
4. Circuit assembly
5. End Cap

**Technical Information**

**APPLICATION:** Electric detonator for oilfield use.

**EXPLOSIVE COMPONENTS:**
- Detonator Type: Bottom Fire
- Base charge: HMX, 0.85 gm
- Ignition charge: THKP: 0.15 gm

**TEMPERATURE LIMITS:**
- 350 F / 177 C        1 h

**PERFORMANCE:**
- All fire voltage of 325 V$_{DC}$, either polarity
- Dump fire recommended firing method

**SHELF LIFE:**
- 5 years when stored unopened in original packaging. Storage temperature:
  - 0 C / 32 F min
  - 54 C / 130 F max

**DISPOSAL:**
- Dispose of product not suitable for oilfield use according to applicable laws and regulations.

**Packing Information**

- Quantity per box: 20 pieces
- Net weight per box: 1.05 kg (2.32 lb)
- NEC per box: 0.0200 kg

**Packing Method A**

- Existing Styrofoam packaging:
  - Gross weight per box: 2.31 kg (5.09 lbs)
  - Box dim: 30.5 x 30.5 x 22.9 cm (12 x 12 x 9 in)

- Package type: Sealed inside foil bag, then placed into inner box with antistatic foam divider; then packaged inside outer fibreboard box.

**Packing Method B**

- New Tube Packaging:
  - Gross weight per box: 3.5 kg (7.56 lbs)
  - Box dim: 36.3 x 30.6 x 21.3 cm (14.3 x 12 x 8.4 in)

- Package type: Enclosed by Foil bag, then placed inside inner tube and placed upright in standoff insert that is installed in outer fibreboard box.

**Product Designation:**
- HES-APRV-003

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