Sonicator® 740 Specifications

**General Specifications:**
ETL and C-ETL Listed: Model ME 740 (9801427)
Input: 100-240 VAC ±10%
Frequency: 60Hz ±3 and 50Hz ±3
Input Current: less than 0.6 amps
Optional Battery: Rechargeable Smart Lithium Ion Battery Pack rated at 10.8V and 4.8Ah
Timer Accuracy: ±10% of the indicated time
Maximum treatment time: 29 minutes
Size: 13.5 in (L) x 9.5 in (W) x 7 in (H)
Weight: 3.75 pounds without battery
4.5 pounds with battery

**Ultrasonic Generator Specifications:**
Frequency:
1.0 MHz ±10%
3.2 MHz ±10%
3.3 MHz ±10%
Modes: Continuous
Pulsed 10, 20 and 50% Duty cycle
Pulse repetition rate: 100 Hz ±5% (Pulse Mode)
Pulse duration: 1, 2 or 5 msec ±5%
Temporal peak/average intensity ratio: 10:1, 5:1 and 2:1 ±5%
Maximum output power:
22 W with a 10 cm² applicator, (ME 7410)
11 W with 5 cm² applicator, (ME 7413)
2.2 W with a 1 cm² applicator (ME 7431)
Maximum intensity: 2.2 W/cm²
Indication accuracy: ±20% (for any level above 10% of maximum)

**Ultrasonic Applicator Specifications:**
Piezoelectric discs: The output transducer utilizes a barium titanate disc with a specially coated face.

<table>
<thead>
<tr>
<th>Applicator Part Number</th>
<th>Frequency</th>
<th>ERA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 7413</td>
<td>1 MHz ±10%</td>
<td>5 cm² ±20%</td>
</tr>
<tr>
<td>ME 7413</td>
<td>3.2 MHz ±10%</td>
<td>5 cm² ±20%</td>
</tr>
<tr>
<td>ME 7410</td>
<td>1 MHz ±10%</td>
<td>10 cm² ±20%</td>
</tr>
<tr>
<td>ME 7431</td>
<td>3.3 MHz ±10%</td>
<td>1 cm² ±20%</td>
</tr>
</tbody>
</table>

Maximum Beam Uniformity Ratio: 6:1