### INSTALLATION INFORMATION

**EMG-HZ Models:** H1, H2, H3, H4, H1A, H2A, H3A, H4A

### Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>H1</th>
<th>H1A</th>
<th>H2</th>
<th>H2A</th>
<th>H3</th>
<th>H3A</th>
<th>H4</th>
<th>H4A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Logo Color</td>
<td>Silver</td>
<td>Gold</td>
<td>Silver</td>
<td>Gold</td>
<td>Silver</td>
<td>Gold</td>
<td>Silver</td>
<td>Gold</td>
</tr>
<tr>
<td>Inductance (Henries)</td>
<td>7.15</td>
<td>7.8</td>
<td>4.53</td>
<td>4.9</td>
<td>7.4</td>
<td>7.67</td>
<td>7.37</td>
<td>8</td>
</tr>
<tr>
<td>DC Resistance (KOhm)</td>
<td>13.65</td>
<td>13.65</td>
<td>8.4</td>
<td>8.4</td>
<td>13.65</td>
<td>13.65</td>
<td>13.65</td>
<td>13.65</td>
</tr>
<tr>
<td>Resonant Frequency Hz (1)</td>
<td>1650</td>
<td>1650</td>
<td>2225</td>
<td>2125</td>
<td>1725</td>
<td>1725</td>
<td>1700</td>
<td>1600</td>
</tr>
<tr>
<td>Resonant Frequency Hz (2)</td>
<td>3125</td>
<td>3000</td>
<td>4000</td>
<td>3825</td>
<td>3000</td>
<td>2925</td>
<td>2950</td>
<td>2875</td>
</tr>
<tr>
<td>Z@ Resonance (KOhm) (1)</td>
<td>74</td>
<td>80.8</td>
<td>63.3</td>
<td>65.4</td>
<td>80.2</td>
<td>83.3</td>
<td>78.7</td>
<td>80.5</td>
</tr>
</tbody>
</table>

**Notes:**

1. Loaded with 500K V & T w/20' cable (750pf)
2. Loaded with 1 MegOhm/47pf
3. Humbucking Pickups are series wired.

### Each pickup includes:

- 5 pin cable pre-wired in Humbucking Series format
- Adjustment screws with springs
- Extra pole pieces

All EMG-HZ are direct replacement for Humbucking Size Pickups. 5-wire cable allows Series/Parallel switching or simple single/dual-coil combinations can be used.

### Pole Spread:

- Standard pole spread is .388 inches (9.85mm) for Tune-o-matic bridges
- Floyd pole spread is .420 inches (10.67mm) for Floyd Rose bridges

Models H4 and H4A feature Bar Poles and are suitable for either Tune-o-matic or Floyd Rose Bridge Models.

### EMG-HZ Warranty:

All EMG-HZ Pickups and accessories are warranted for a period of two years. This warranty does not cover failure due to improper installation, abuse, or damage. If it any time a pickup fails to work, return it postage prepaid with proof of purchase. If upon examination the pickup is determined to be defective, a replacement will be made at no charge. Warranty replacement products are covered under this same warranty. This warranty covers only those pickups and accessories sold by authorized EMG Dealers.

### ADVANCING THE ART OF THE PASSIVE PICKUP

Please visit the EMG website for more information. http://emgpickups.com or write EMG, Inc. P.O. Box 4394, Santa Rosa, CA 95402
Installation for EMG-HZ Models: H1, H2, H3, H4, H1A, H2A, H3A, H4A

Wiring Legend:
The legend for the coils and wire colors are shown on the bottom of the pickup.

<table>
<thead>
<tr>
<th>Legend</th>
<th>Wire Color</th>
<th>Coil</th>
<th>Polarity</th>
</tr>
</thead>
<tbody>
<tr>
<td>G 1-</td>
<td>Green</td>
<td>1</td>
<td>Negative</td>
</tr>
<tr>
<td>W 1+</td>
<td>White</td>
<td>1</td>
<td>Positive</td>
</tr>
<tr>
<td>GND</td>
<td>GROUND</td>
<td></td>
<td>SHIELD</td>
</tr>
<tr>
<td>R 2-</td>
<td>Red</td>
<td>2</td>
<td>Negative</td>
</tr>
<tr>
<td>B 2+</td>
<td>Black</td>
<td>2</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Passive Installations:
The HZ Pickups will work with either 250K Ohm or 500K Ohm pots (Audio Taper) and a tone capacitor value of .047 microfarad. 500K Ohm pots provide a slight up-shift of resonant frequency and approx. 3dB more gain at resonance and are recommended for Dual-Coil Pickups.

A note about string grounding:
Although the EMG-HZ Pickups are shielded, they still require string grounding, especially the A(Alnico) models. String grounding uses your body as a shield to help in reducing hum and buzz from the pickup. It also can create a shock hazard due to mis-matched polarities. Be sure to make sure your guitar is electrically in phase with any microphones as well as other players instruments.

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EMG-HZ Series Wiring

Insert EMG 5-pin Quik Connect cable as shown.
EMG-HZ Diagram 6
2 Volume, 2 Tone w/switch
(each Volume is independent)

Finger Board pickup cable

Bridge pickup cable

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EMG-HZ Diagram 7
1 Volume, 1 Tone
w/ 3 position lever switch

Fingerboard pickup cable

Bridge pickup cable

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EMG-HZ Diagram 8
1 Volume, 1 Tone
w/ 5 position lever switch

EMG-HZ Diagram 9
1 Volume, 2 Tone
w/ 5 position lever switch