Date:        April 22, 2004    Bulletin No:        2004-01    Rev:        1.1
Approvals:        CSE______        ENG _____        PPL _____
Products:        EDR-25S and EDR-25C
Title:        Vendor change for Pacer Encoders

Revision Information

Revision 1.0 - Original release April 13, 2004
Revision 1.1 – Updated to indicate inertia

Purpose:
To advise customers of a vendor change for EDR-25 encoders.

Description:
During most 2003 we experienced lead-time problems with our EDR-25 pacer encoders. While many attempts were made to improve the situation, the problems continued and were impacting our ability to meet customer’s expectations.

Products Affected:
All EDR-25S/xxxxx models, except EDR-25S/G5000
All EDR-25C/xxxxx models, except EDR-25C/G5000

Solution:
ORMEC has investigated and qualified an alternative encoder vendor for the models identified above. These encoders have the same mounting and shaft dimensions, connector pin out. All of the electrical, mechanical and environmental specifications for the new version encoders are the same as for the originals, except as noted in the following table. No programming or mechanical design changes are required with this new version encoder. The only observable difference is that the encoder housing is slightly smaller than the earlier version.
<table>
<thead>
<tr>
<th>Specification</th>
<th>Original Version</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Current</td>
<td>245 mA max.</td>
<td>100 mA max.</td>
</tr>
<tr>
<td>Symmetry Tolerance</td>
<td>5 degrees</td>
<td>18 degrees</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>200 kHz</td>
<td>250 kHz</td>
</tr>
<tr>
<td>Inertia</td>
<td>$4.5 \times 10^{-4}$ in-lb-sec$^2$</td>
<td>$5.4 \times 10^{-4}$ in-lb-sec$^2$</td>
</tr>
<tr>
<td>Vibration</td>
<td>20G 20 Hz – 2000 Hz</td>
<td>10G 58 Hz – 500 Hz</td>
</tr>
</tbody>
</table>

If you are interested in continuing to use the original version encoders, they are still available with a 10-12 lead-time and prices to be quoted based on our current cost. Please contact ORMEC Inside Sales for further assistance.