LVC PULSE OUTPUT INFO

Pulse Output Specs:
Configure >> Config 2 Send Output Pulse sets the output pulse generator to “Disable” or “Enable”. This option gives you the ability to observe the pulses out put, uncorrected pulses scale, and corrected pulses scale. Pulses are normally used when you desire for an external pulse counting system to collect pulses that correspond to uncorrected and corrected volume that is passed over time. If this is set to “Disable”, no output pulses will occur. When set to “Enable”, uncorrected and corrected volume pulses will be output by the LVC. Pulses are sent upon each wakeup calculation and continue until all that are currently due are sent. Each pulse has a fixed pulse width of 62.5 milliseconds with a duty cycle of 50% (62.5 mS on and 62.5 mS off). Totals of pulses sent are shown on Display 2 and on IOR Database report. Uncorrected and corrected pulses are individually scalable and are set in the next two fields on this screen (Configure >> Config 2). These pulses may be physically accessed on the PCB at J4 positions 1- 4. Pulse output electrical specification is as follows: Open drain, 1 to 30 volts maximum, 25 mA maximum, 1 K minimum load resistance. Case ground of the LVC MUST be connected to chassis ground of pulse collecting system.

Caution! Failure to conform to these specifications may result in damage to the PCB.

Pulse Output Configuration Options:
Configure >> Config 2 Output Pulse Rate is adjustable with a 50% duty cycle. Possible selections are **8 pulses per second** or **1 pulse per second**. In the general case, 8 pulses per second is compatible with most external pulse counter equipment. The Nertec device requires the slower pulse rate of 1 pulse per second.

Pulse Output Scale Factor Options:
Configure >> Config 2 Corrected Pulser Scale sets the scale factor for the corrected volume pulse output. Enter in the desired scale factor. Allowed values are 0 - 99999. Example: If you desire a pulse to occur for every 100 ft^3 of corrected volume, enter in 100.