

March 11, 2003

Mr. Keith Davis, President
1004 Littlestown Pike, Suite H
Westminster MD, 21157

Subject: Ultrasound Diagnostic Tool For Predictive Maintenance

Dear Mr. Davis:

We purchased the CTRL UL101 ultrasonic sensor in 2002 to find air leaks at our facility. I was very surprised how effective the UL101 was at finding and pinpointing the smallest of air leaks, leaks that would never have been found with my normal hearing. I was even able to locate a small amount of corona off a plc pack during an air survey. I do not believe that infrared would have detected such a small arc in such early stages. The plc was replaced and the unit continues to work well.

Additionally, as a vibration analyst, my job requires much more than just finding air leaks. I have used the UL101 several times to verify bearings in good condition when vibration analysis suggested otherwise. This has saved numerous hours and money of unnecessary repairs. In one case, the UL101 was used to determine that the case of a bearing was not properly torqued when installed, causing an extreme amount of vibration. Vibration analysis only indicated a problem with the bearings. Proper diagnosis using the UL101 saved us from sending 12 people home for eight hours.

I wanted to convey to others that this tool would make the difference between a good bearing and a bad bearing. I won't do without it now. My biggest challenge is keeping others in the plant from stealing my UL101.

Sincerely,

Maurice Cousineau
Vibration Analyst

