

Data Collection Module Changes List

Date: 07/18/2002

- 1) A resistor (R14) was added to tie the RS232 input of the microprocessor to +5V.
- 2) The RS232 serial I/O lines have been disconnected from the pin headers, and removed from the block diagram.
- 3) A LM77 (U7) digital temperature sensor added to schematic, and block diagram.
- 4) The routed hole in the PCB trace antenna was changed to a single .128 diameter hole.
- 5) Over voltage input protection was added to the power supply input.
- 6) An input filter, and through hole electrolytic capacitor was removed.
- 7) Nearly all resistor and capacitor package sizes were changed to 0603.
- 8) The microprocessor was changed from an Atmel AT90S8535 to an Atmel ATMEGA163-8AC.
- 9) The voltage divider network was changed to use 3 resistors and a dual diode instead of 2 resistors and a zener diode.
- 10) Most parts were moved from their previous locations to facilitate layout of the additions/deletions of parts.
- 11) Most part designators were changed to compensate for the part additions/deletions.
- 12) A new bill of materials has been attached.
- 13) Holes in the PCB were added to facilitate potting the units.
- 14) The power input jumper locations were changed to facilitate placement in the field.

Joe Krause
Design Engineer
Lester Electrical
TEL: (402) 477-8988
FAX: (402) 474-1769