Integrated Control Station (ICS) Specifications

Physical -
- **Dimension:**
  - Control/Operator Interface Panel: 8 3/4 x 10 1/2 x 2 3/4 Inches
  - Digital I/O Wiring Panel: 17 x 9 x 3 Inches
  - Analog I/O Wiring Panel: 10 1/2 x 4 1/2 x 2 Inches
- **Control/Operator Interface Panel:**
  - 2 each Displays - 4 Digits each for Total of 8 digits
  - 32 each Status/Pointer Lights (LEDS)
    - Red, Green, Yellow or Blue
    - Steady or Flashing
  - 16 each Switch contacts
    - Push button, 2 Position toggle, 3 Position toggle or Momentary
  - Definable placement of Lights and Switches. 65 positions
  - Definable Panel text, pictures and colors
- **Mounting:** Surface
- **Connectors:**
  - Input/Output/Power: Screw terminals. Wire Range: 22 - 12 AWG
  - Panel Interface: Plug and Play Cables
  - RS-232: Male 25 pin Subminiature D

Electrical -
- **Supply Voltage:** 12 VDC.
- **Current draw:** Nominal 1 A
- **CPU’s:** 2 each Industrial Hardened Parallel Microprocessors
- **Real Time Clock:** Perpetual
- **Battery:** Internal, rechargeable
- **Inputs:**
  - Analog: 8 Each
    - Resolution: 12 bits. Successive Approximation
    - Range: 0 - 5 VDC
  - Discrete Contact Closure: 32 each
- **Outputs:**
  - Analog: 8 Each.
    - Resolution: 12 bits
    - Range: 0 - 20 mADC
  - Relay Contact: 32 Each (Field Replaceable)
    - Type: DPDT
  - Standard Contacts Rating: 28 VDC @ 7.5 A Max. Resistive
  - 110-115 VAC @ 3.8 A Max. Resistive
  - 220-240 VAC @ 2.2 A Max. Resistive
Integrated Control Station (ICS) Specifications

Software -
• **Diagnostics:**
  - Built In Self Check
  - Watch Dog Timer

• **Memory:**
  - Non-volatile Static RAM
  - Life: 1 Million store cycles. (Store cycles only when power removed)
  - Data Retention: 100 years

• **Configuration Interface:** Configured via Front Panel or RS-232 and PC*

Communications -
• **RS-232C:**
  - Baud Rates:
    - Default: 1200
    - Selectable: 300 - 19200
  - Bit Format:
    - Default: 8 Bits, 1 Stop, No Parity.
    - Selectable: 7 - 8 Bits, 1 - 2 Stop, Even or Odd Parity

• **Protocols:**
  - Default: ASCII
  - Selectable:
    - Modbus
    - TCP/IP
    - Customer specified

• **Connections:**
  - Default: Computer
  - Selectable:
    - Telephone Modem
    - Radio Modem:
      - Adjustable RTS Delay
      - Default: Full-Duplex
      - Selectable: Half-Duplex

Performance -
• **Accuracy:** 0.1% (Calibration/Linearity/Hysterisis/Repeatability)
• **Temperature Coefficient:** 0.005 % / Deg C
• **Warranty:** 7 Years, Transferable

Environmental -
• **Operating Temperature:** -30 to 80 degrees C operation
• **Operating Humidity:** 5 to 85% Humidity

Warranty -
• 7 years. Transferable
  * Personal Computer