

The Accutech Transmitter Manager Release 3.0.3 is a Windows-based program for configuration and set-up of Accutech AI-1000 R2 Programmable Temperature Transmitters, AI-1500 HART[®] Temperature Transmitters and VR-1500 HART[®] Pressure Transmitters.

Hardware Requirements:

LSK Communications (AI-1000 R2)

The AI-1000 R2 requires an LSK Modem (Accutech part #: LSK MODEM; available from Accutech and its dealers) for communication between a PC and the AI-1000 R2. The LSK Modem connects to the PC, and plugs directly into the top of the AI-1000 R2.

HART[®] Communications (AI-1500 & VR-1500)

The AI-1500 & VR-1500 require a HART[®] Modem (available from various vendors, including Accutech; part #: HART MODEM) for communication between a PC and the AI-1500 or VR-1500. The leads of the HART[®] Modem can be clipped anywhere along the 4-20mA current loop. As with all HART[®] digital communications, 250Ω loop resistance is required.

PC Requirements

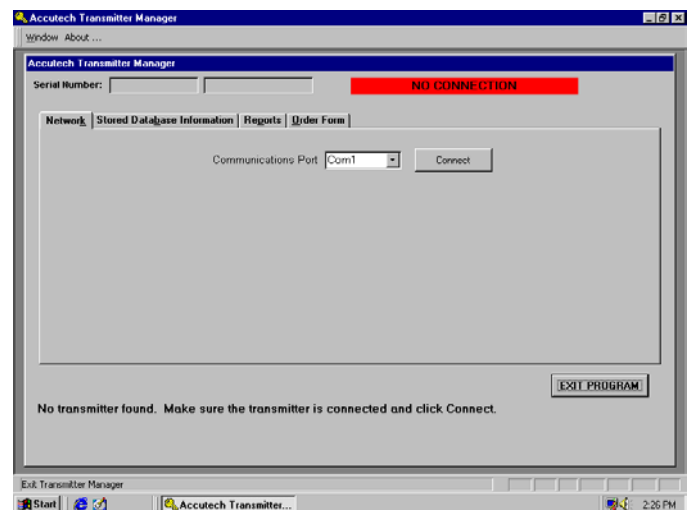
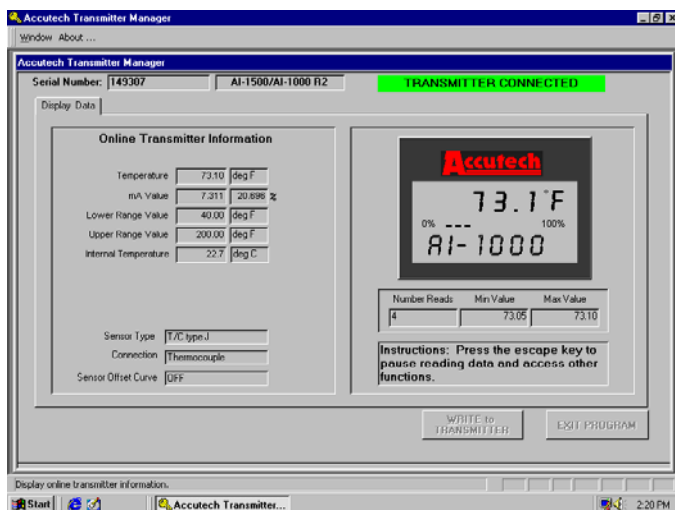
Windows 95, Windows 98, Windows 2000, Windows NT or Windows XP Operating System. 15 MB free disk space.

There is no distinction in the Accutech Transmitter Manager user interface between an AI-1000 R2 vs. AI-1500. The software appearance and operation is identical between LSK and HART[®] Communications. An LSK Modem will not communicate with an AI-1500 or VR-1500; and vice versa, a HART[®] Modem will not communicate with an AI-1000 R2.

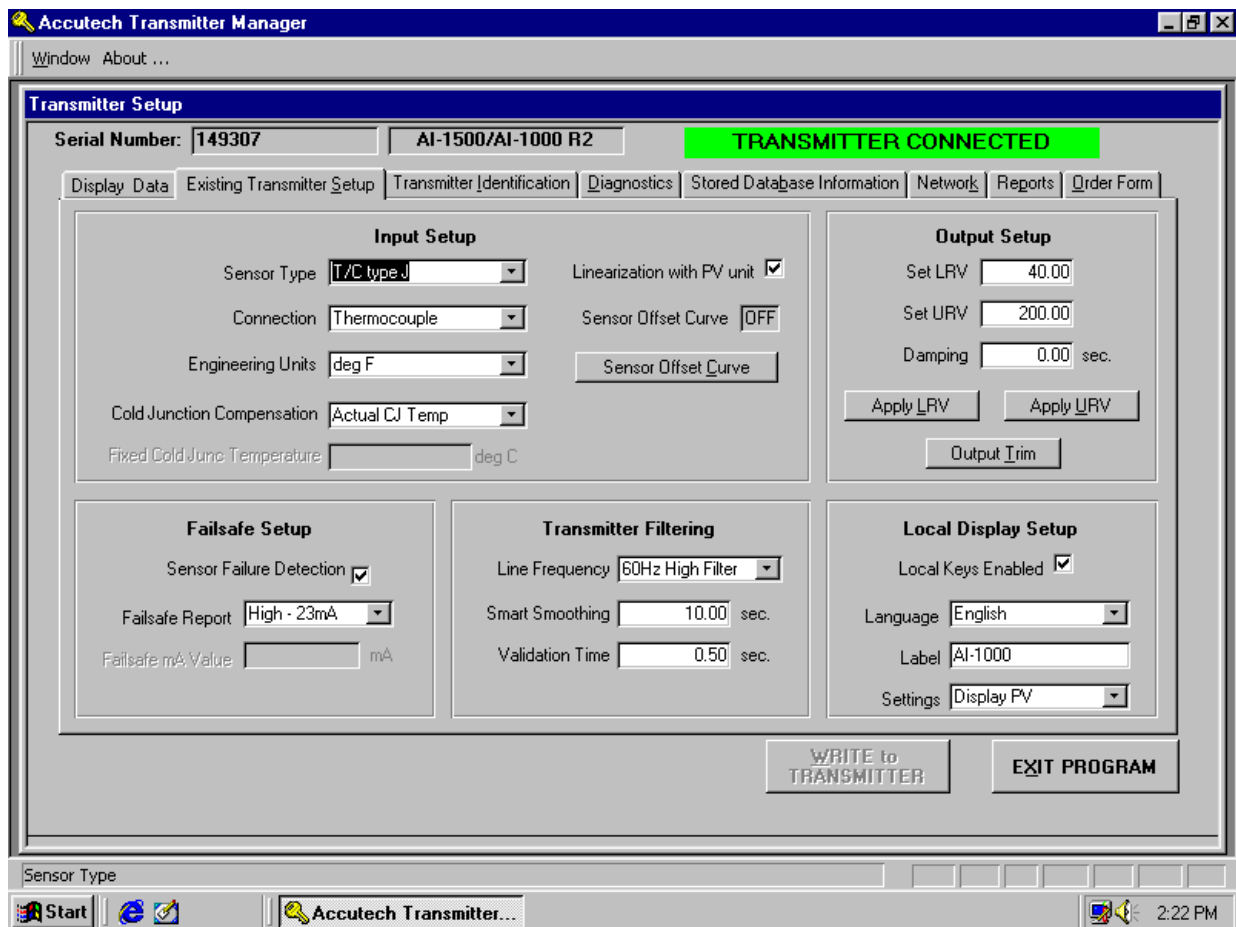
Operation:

Power up the transmitter (24VDC supply, minimum 100mA rating) and make appropriate modem connections. Run **Accutech Transmitter Manager** Software. If all connections are correct, the program will begin communicating with the transmitter and the *Display Data* screen will be displayed – continuously updating on-line transmitter information. Instructions for the *Display Data* screen are found at the bottom right of the window.

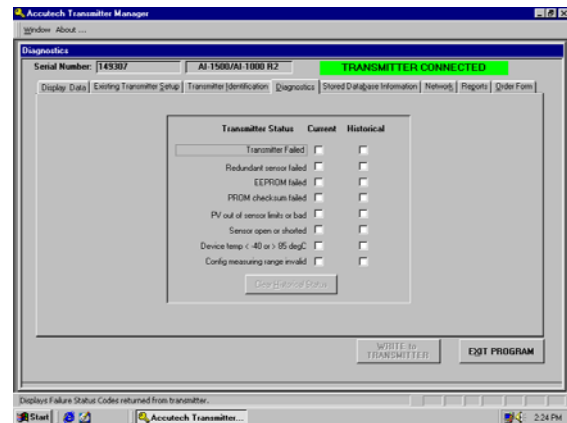
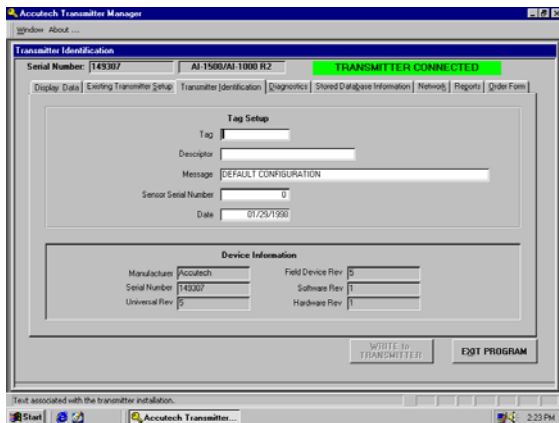
If the software cannot communicate with the transmitter the *Network* screen will appear. Verify that the transmitter is powered and that proper modem connections are made (including 250Ω loop resistance for HART[®] Communications). Change the Communications Port, if necessary, and click on the 'Connect' button. When transmitter connection is made, the *Display Data* screen appears.



Press <ESC> key to pause reading data in the *Display Data* screen. Additional tabs for access to other screens will appear near the top of the window. Click on appropriate tab to access other windows.



The *Existing Transmitter Setup* screen displays a majority of the configuration information for the connected transmitter. Additional configuration information is on sub-screens to the *Existing Transmitter Setup* screen and on the *Transmitter Identification* screen. Select Sensor Type, Connection and Engineering Units in the Input Setup section. Access the Sensor Offset Curve by clicking the Sensor Offset Curve box. Choose from 2 to 22 correction points. Choose Zero points to turn off the Sensor Offset Curve. Set URV, LRV and Damping in the Output Setup section. Failsafe Setup, Transmitter Filtering, and Local Display Setup sections are clearly arranged at the bottom of the *Existing Transmitter Setup* screen.



Enter tag information in the *Transmitter Identification* screen. Device Information is displayed at the bottom of the screen.

The *Diagnostics* screen displays current and historical information about the connected transmitter.

The *Report* screen allows you to print a page containing all configuration information for the connected transmitter.

The *Stored Database Information* and *Order Form* screens will be available in the full release of the Accutech Transmitter Manager. These screens will enable you to access, store and download specific transmitter information to and from the Microsoft Access database; and create an order to Accutech for your specific temperature transmitter needs.

HART® is a registered trademark of the HART Communications Foundation.