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J & S Pressure Communications Software

This software package was designed exclusively for use with the Dynisco model UPR690 Pressure Sensor Display. It is intended for use with a personal computer in communicating with the display to both log real time data and graphically display the same. This software is intended for use with Windows® based software. Once the software has been loaded on a personal computer and has been configured for communications port number and baud rate, it accepts the model UPR690's ASCII output via the computer's RS-232 communications port and converts the same to a tab-separated variable. This TSV is capable of being used in spreadsheets such as Excel® and has a unique user defined file name.

The incoming data is logged at any interval from 1 to 65535 seconds and is recorded in the pressure sensor's calibrated engineering unit of measure such as PSIG or mBar. Graphic presentation limits of the data is user definable for maximum resolution. The data is presented on the computer's display in both an analog table and a graphic display. The table has up to 20 data points while the graph has up to 10 data cycles and as the cursor is moved up or down the table, the graphics move with the highlighted data point. As the data is updated with real time values, both the table and graph are refreshed.

Once the data is appears on the screen, it can be saved. The user defines a unique name and the software saves the file with a .DAT extension. Once the data if saved, it can be printed to a printer via the computer's LPT1 printer port with both Title and Interval data as determined by the file. Data will be printed in a column format with date and time in the first two columns respectfully and the analog data in the third column.

For reoccurring use of the same setup, a default file can be created for reuse to expedite setup and operations of the communications.

(continued)



Tabular and Graphic Data Presentation

May 1998