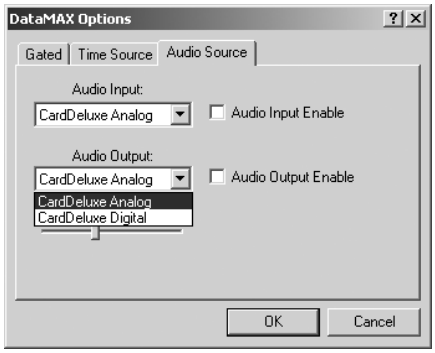
Video Recording (VC)

The DTX-VC option allows real time monitoring of video from a remote camera and synchronous storage of video data during recording. This option works by taking video frames at a user specified resolution (sampling rate) and storing them to a separate file synchronized to the sensor data using the DTX-GT/EVNT hardware (optional equipment required for synchronous video recording). During review of the recorded data a video display window can be opened on the DataMAX II screen giving a time locked visual image of the test article correlated to the sensor data display. Application include video monitoring of remote test cells, and the non-invasive measurement of position (or spatial orientation) of a test article.

Video Playback Window

Audio Recording (AO)

The DTX-AO option includes support for two audio recording channels (analog output). These audio channels are in addition to the main DataMAX II recording channels. During recording the two audio inputs are sampled and data

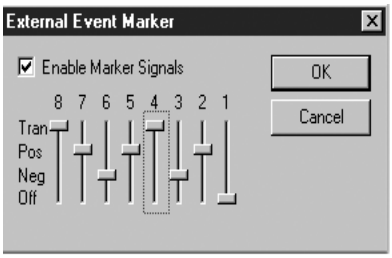


Audio Source Window

stored into the industry standard audio .WAV format. During replay or viewing of recorded data the .WAV file is played out through the DTX-AO analog outputs. Connecting the outputs to external speakers gives a two channel audio replay synchronized with the data recording. Application includes: voice annotation of test parameters (similar to that available with older multi-track tape recorders) and the recording of background audio sounds within a test chamber.

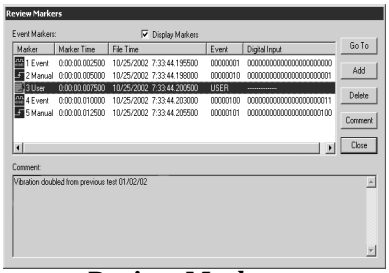
Event Card (EVNT)

The DTX-GT/EVNT option offers the ability of marking data during a recording session. This allows



Event Marker Signal Settings

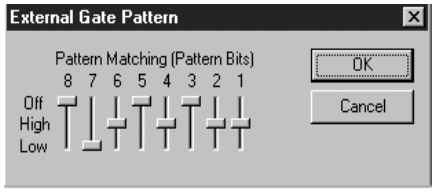
you to identify particular moments that can be quickly and easily reviewed once a test is complete. Marking the data during a recording session can be accomplished either manually or automatically. The Event Marker feature allows you to select up to eight signals and give them settings that include Transition (Tran), Positive (Pos), and Negative (Neg). Each setting operates independently of the other so that if a condition is met on any one signal then a marker is placed in the data file.



Review Markers

Gated Trigger (GT)

The DTX-GT/EVNT option now offers direct hardware control of the acquisition process and automated marking of critical time fields within a recorded data set. Use the remote gate control to optimize the recording process for field applications where an operator is not always available for control of the test sequence, or in those situations where the data acquisition interval is based upon some unknown or randomly occurring



Gated Trigger Pattern

phenomenon.

Typical applications might include the recording of sensor data from a remote wind turbine where data is only desired during interval of high stress, or the recording of data from a test article under the external control of a programmable controller.

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