

INSTANTANEOUS FIBER OPTIC VISICORDING OF HIGH INTEREST/HIGH FREQUENCY DATA



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ABSTRACT

The ability to display, expand, time frame select, and permanently record data of high interest/high frequency over long time periods provides the capability to analyze data in near real time and provide immediate responses to laboratory or remote platform/onboard system problems.

Many recording techniques provide large recording bandwidths, but do not also provide an immediate hard copy readout from which early decisions can be made. A wider bandwidth capability can expand the already large spectrum of visicorder uses. This paper describes a new high speed recording capability which involves the introduction of an x/y converter/fiber-optic visicorder system into a telemetering link that can record one MHz data for long periods of time, together with time frame selection capability. The system can provide line continuous monitoring of high interest data.