

AUTOMATED WEB-BASED INFRARED MONITORING SYSTEM FOR MILLING & QUARANTINE FUMIGATIONS

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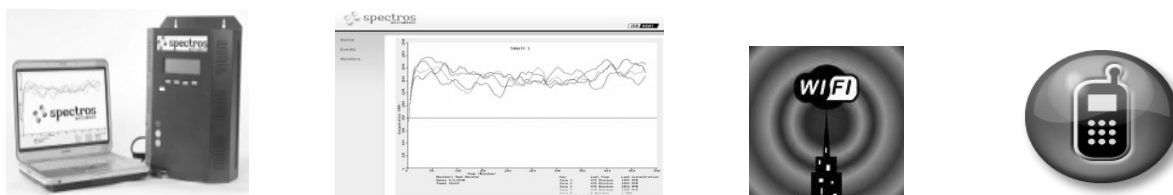


Figure 1 CH_3Br , SO_2F_2 , CH_3Br MONITOR, REPORT, TRANSMIT, NOTIFY

Abstract

This paper updates and describes our infrared monitoring system for the collection of fumigation data at remote locations. The Spectros Instruments Fumigation Hub and Remote Monitoring Module collect and display fumigation data locally (pc, print, plot) while real-time reports and alerts are generated for display on the internet via any secure web browser. Monitor diagnosis and validation is possible with the Report Monitor Control and Reporting System. Additional features allow a fumigator to be contacted via text-message to cell phone/PDA. Real-time fumigation gas levels are displayed. Interface of the Spectros Instruments' Remote Monitoring Module to fumigant generation and fumigant recovery systems is discussed.

Data will be presented with special attention is paid to instrumentation stability to changes in temperature; barometric pressure, relative humidity, interference gases and other challenges.