



Integrated Hybrid DTS/FBG System

SensorTran's Lynx™ family of fiber optic-based sensors offers Distributed Temperature Sensing (DTS) and Fiber-Bragg Grating (FBG) point sensing capabilities in one package, with one interface. By marrying the performance of SensorTran's Gemini™ DTS platform and Micron Optics' Bragg Interrogator, customers now have access to a fully integrated, highly reliable sensing solution. For the first time, projects requiring distributed temperature, pressure, strain, and/or vibration measurements can be completed by deploying a single system. Lynx™ is compatible with a wide range of third-party Bragg Grating-based sensors. FBG sensors can be deployed in either single point or multipoint schemes. Lynx is ideal for applications such as:

- production monitoring in O&G wells (DTS and single/multipoint pressure sensing)
- joints on power cables (distributed and multiple-point temperature sensing)
- oil-filled cables (DTS and multiple point pressure sensing)
- subsea risers and equipment (DTS, strain, pressure, and vibration)
- structures such as bridges and dams (DTS, vibration, and strain).

Advantages of a Factory-Integrated Solution

Accurate Synchronization of Sensing Data

Single Interface for Set-Up, Control,
and Communications

Real-time Visualization of Combined Data

Fully Integrated Alarms for All Sensors

Reduced Footprint and Power Consumption



Lynx™ System in
FieldArmor™ Case



SENSORTRAN

Distributed Monitoring Solutions

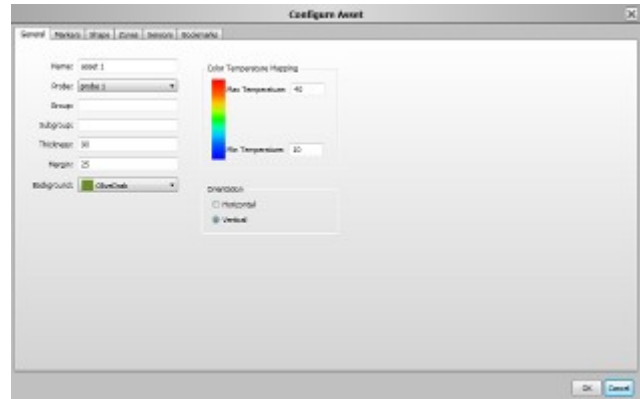
DataFuser™ Software

An Intuitive, Easy-to-Use Package

Running Microsoft Windows XP, the onboard processor provides a stable and flexible environment for effective communication and remote access capabilities. Each SensorTran Lynx™ unit is supplied with DataFuser™ software as standard.

Features

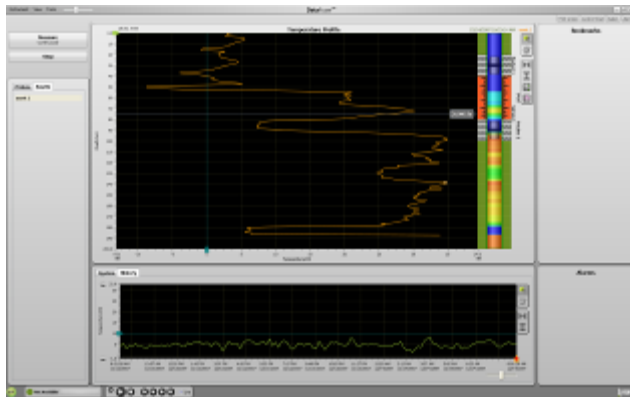
- System Configuration Interface
- Intuitive Visual Calibration
- Data Synchronization and Archival
- Controls Communications
- Conducts System Self Diagnostics
- Triggers Conditions-Based Alarms
- Allows Autonomous Operation
- Provides All Data Display Functions



Configuration Interface

Full Asset Mapping Capability

SensorTran's DataFuser™ software pulls data from both the DTS and FBG systems to synchronize, archive, and display all sensor information. A complete library of asset components allows users to quickly and accurately render even complex installations. Once an asset has been created, data from each of the sensors is mapped to its corresponding location on the asset. All sensor information is dynamically scaled to match the active asset view. Sensor measurements, zone information, and alarm status are displayed. Recorded data can be replayed using the powerful Data Control facility to view historical events at various speeds.



Data Visualization



SensorTran is
ISO 9001 Certified

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