

ASTRA™

5 – 10 – 15km DTS systems



Single-Laser Distributed Temperature Sensing



SensorTran's Astra™ value-driven family of DTS systems offer accurate and timely thermal event information that allows users to draw *optical conclusions*™ with confidence. With unlimited zoning and alarming capabilities, Astra™ systems are suitable for a wide range of industrial applications including:

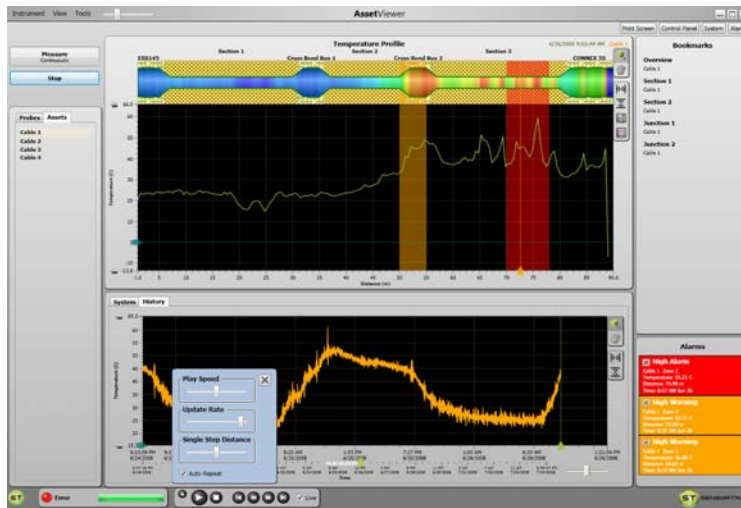
- ◇ Transmission and Distribution Cables
- ◇ Oil & Gas Wellbores
- ◇ Pipelines
- ◇ Storage Tanks and Process Vessels
- ◇ Life Sciences & Environmental Monitoring
- ◇ Umbilicals
- ◇ Geothermal
- ◇ Data Centers
- ◇ Cryogenic Storage Facilities
- ◇ Mining

	Astra™ 5K	Astra™ 10K	Astra™ 15K
Measurement Range	up to 5 km	up to 10 km	up to 15 km
Spatial Resolution	1 meter	1 meter	± 1 meter
Sampling Resolution	0.5 meters	0.5 meters	0.5 meters
Accuracy	± 1°C	± 1°C	± 2°C
Temperature Resolution	< 0.1°C	< 0.1°C	< 0.6°C
Measurement Speed	down to 10 seconds	down to 10 seconds	down to 10 seconds





SensorTran understands that flexibility is important to managing and interpreting distributed temperature data. SensorTran's AssetViewer™ is an optional software product that provides a graphical visualization of the temperature data, mapped to the asset being monitored and customized to meet specific user requirements. The software simultaneously displays multiple temperature profiles, summary temperature data, and alarm status information for each zone. AssetViewer™ enables DTS users to turn raw data into useful and timely information, suitable for drawing *optical conclusions*™.



SensorTran AssetViewer™

SensorTran DTS systems offer the industry's fastest measurement speeds and highest optical budget. The Astra™ family of DTS systems is highly configurable, ensuring users get the right information at the right time.

SensorTran is ISO:9001 certified and has been delivering innovative DTS products to global energy-industry customers since 1996.



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