

DTSX APPLICATION QUESTIONNAIRE

Company Name: _____ Date: _____

Contact Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Email: _____

Please provide as much detail about the Distributed Temperature Sensing (DTSX) Application as possible. Include any available drawings (hand sketches/photos are acceptable if no CAD drawings are available)

Area Classification	General Purpose <input type="checkbox"/> Yes <input type="checkbox"/> No	Class	Division	Group
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Fiber Optic Temperature _____ to _____ °C °F

Est. Length of Fiber Optic Cable _____ meters feet

Is a Transient (Approach) Cable Required? Yes No

Est. Length of Transient Cable _____ meters feet

Number of Fiber Optic Cables 1 2 4 16 Other _____

Ambient Temperature _____ to _____ °C °F

DTSX Location Indoor Outdoor

Sampling Rate _____ seconds minutes hours

Power Requirements 12VDC 120VAC 24VDC 240VAC

On-Board I/O Requirement Yes No Digital Analog

<p>Visualization <input type="checkbox"/> Customer Provided <input type="checkbox"/> Yokogawa Provided</p> <p>Data Conversion <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>Data Acquisition <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>Remote Junction Box <input type="checkbox"/> Y <input type="checkbox"/> N</p> <p>Fire or Safety Application <input type="checkbox"/> Y <input type="checkbox"/> N</p>	<p>Installation Type</p> <p><input type="checkbox"/> Direct Bury</p> <p><input type="checkbox"/> Cable Tray</p> <p><input type="checkbox"/> Submersible</p> <p><input type="checkbox"/> Direct to Equipment</p> <p><input type="checkbox"/> Conduit</p>	<p>Fiber Protection Req'd?</p> <p><input type="checkbox"/> Outdoor (Rodent/UV)</p> <p><input type="checkbox"/> Fire/Flame</p> <p><input type="checkbox"/> Low Temperatures</p> <p><input type="checkbox"/> High Temperatures</p> <p><input type="checkbox"/> No Metal Content</p>
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Add Fiber Type _____ Single Mode Multi Mode

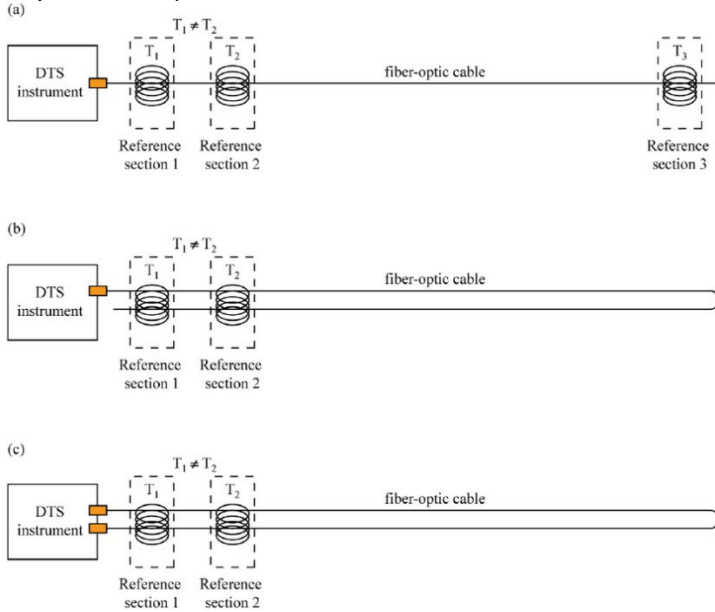
What Best Describes the Application Measurement?

<input type="checkbox"/> Conveyor Belt	<input type="checkbox"/> Pipeline - Liquids	<input type="checkbox"/> Vessel – Hot Spot Monitoring
<input type="checkbox"/> Conveyor Belt Bearing	<input type="checkbox"/> Pipeline - Gases	<input type="checkbox"/> Vessel – Leak Detection
<input type="checkbox"/> Bus Duct	<input type="checkbox"/> Pipeline - LNG	<input type="checkbox"/> Vessel – LNG Leak Detection
<input type="checkbox"/> High Voltage Cabling	<input type="checkbox"/> Equipment - Leaks	<input type="checkbox"/> Heat Detection – Heat Trace

Other Applications Not Mentioned Above? Additional Certifications/Approvals Required Besides FM and CSA? (describe in detail)

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What is Single Ended or Double Ended Fiber Optic Layout? (Please note that Yokogawa is willing to support the design of the system to ensure that the best fiber optic cable design is implemented)



This is a brief description of what is meant by single ended and double ended fiber optic cable design (This is only to be used as a reference and the actual layout may differ).

Please provide a drawing in this section of the Application or provide as many details as possible so Yokogawa can review them.