

ElectroniCast Consultants



Fiber Optic Sensors Monthly Journal

ElectroniCast Consultants offers a premium service to its standard annual Fiber Optic Sensors Global Market Forecast and Analysis, which is published every September.

Monthly Journal Published: The first-week of each month

*Fee: \$1,200 per year (12-issues) for Existing FO Sensor Forecast Clients**

Fee: \$4,800 per year (12-issues) for Monthly Journals - only

Starting June 1, 2011 – ElectroniCast will publish a summary-level report of the latest market and technology trends covering the area of fiber optic sensors

** Clients that have subscribed to the Fiber Optic Sensors Global Market Forecast and Analysis, within the last 12-months*

This is the ElectroniCast journal providing a review and analysis of current market and technology trends relative to the consumption of communication-based fiber optic sensors.

The journal (PDF file: typically 30-40 pages), released at the beginning of each month, via e-mail, providing our clients with insights to the innovative applications of fiber optic sensors.

The journal presents and segments pertinent information in three sensor segments:

- Continuous Distributed Fiber Optic Sensor Systems
- Fiber Optic Point Sensors (also know as fiber optic Local sensors)
- Optical Communication Signal Analysis Interface Components/Modules

Summary-level consumption trends are provided for various measurand or technology. The trends for each selected sensor, in turn, is segmented into various applications. The information is presented in easy-to-follow illustrations and text.

The complete quantitative Microsoft Excel market forecast worksheets and competitive market share estimates are released every September for clients that subscribe to the Fiber Optic Sensors Market Forecast annual report; however, the monthly reports provide summary-level market forecast market data and the latest industry news/analysis.

For professionals concerned with current/future fiber optic sensor markets and technology. We believe you will find this journal useful for your planning of product and market development. Please contact us with any questions or comments.

SAMPLE – the Table of Contents of the JUNE (2011) journal is provided below:

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Fiber optic sensors use optical fiber either as the sensing element ("intrinsic sensors"), or as a means of relaying signals from a remote sensor to the electronics that process the signals ("extrinsic sensors").

The market trends discussed in the monthly journal address the following:

- Fiber Optic Point Sensors: Component-Level
- Continuous Distributed Fiber Optic Sensors
- Optical Communication Signal Analysis Interface Components/Modules

Fiber Optic Point Sensors Applications:

- Manufacturing Process/Factory
- Civil Engineering/Construction (buildings, bridges, tunnels, etc)
- Military/Aerospace/Security
- Test & Measurement used in Telecommunication, CATV, Private/Enterprise
- Biomedical/Science
- Petrochemical/Energy/Utilities/Natural Resources
- Automotive/Vehicle

Sensing/Measuring Quantity (Measurand) The monthly journal also looks at the industry trans and news pertaining to fiber optic point sensors, segmented further by the following sensing/measuring quantity (measurand) types:

- Mechanical Strain
- Temperature
- Pressure
- Chemical, Gas, Liquid
- Vibration, Acoustic, Seismic
- Displacement, Acceleration, Proximity
- Electric and Magnetic Field - Fiber Optic Sensors
- Rotation (such as Fiber Optic Gyroscopes: FOGs)

Continuous Distributed Sensor Applications/Technologies covered in the journal:

- Manufacturing Process/Factory
- Civil Engineering/Construction (buildings, bridges, tunnels, etc)
- Military/Aerospace/Security
- Petrochemical/Energy/Utilities/Natural Resources
- Biomedical/Science

Optical Communication Signal Analysis Interface Components/Modules

These include components, sampling/interface modules and intra-enclosure (board-level) elements directly used for fiber optic sensing measurements, used in equipment such as –Oscilloscopes, OTDRs, Bit Error Rate Testers, Signal Generators, Spectrum Analyzers, and numerous other test/measurement/monitoring equipment used for communication/optical signal processing applications. We discuss the trends, segmented by the following applications:

- Telecommunications
- Private Enterprise Data Networks
- Cable TV
- Military/Aerospace/Security
- Other

Through the course of the 12-month issue cycle, the journal will provide current news and analysis study of applicable technologies, including:

- Interferometry
- Intensity
- Polarization
- Fiber Bragg Grating (FBG)
- Raman back-scattering
- Fluorescence
- Brillouin waves
- Doppler Anemometry
- Spectroscopy
- Waveguides/ Specialty Optical Fiber
- Optrode

Product and Financial news from various fiber optic sensor vendors are presented in the monthly journal along with a calendar of future conferences, which address the fiber optic sensor industry sector.