

# German manufacturer of temperature-measuring optical cables



## AI Overview

AP Sensing, Solifos AG, GESO, and WEINERT Industries AG are leading German manufacturers of distributed temperature sensing (DTS) optical cables. AP Sensing offers end-to-end distributed temperature sensing solutions made in Germany, utilizing standard fiber optic cables for precise thermal monitoring, fire detection, and condition assessment. Their DTS technology is based on Raman or Brillouin optical scattering, providing high-resolution temperature profiles over long distances, often exceeding 50 km. AP Sensing also integrates Distributed Acoustic Sensing (DAS) for enhanced monitoring of pipelines, power cables, and other critical infrastructure. Solifos AG specializes in specialty fiber-optic sensing cables for temperature (DTS), strain (DSS), acoustic (DAS), and pressure (DPS) measurements. Their cables act as the sensor itself, enabling continuous, seamless, and reliable measurements in extreme environments, including high temperatures up to 600°C. Solifos provides customized solutions for large structures and mission-critical applications where conventional sensors are impractical. GESO develops DTS systems that acquire temperature data along fiber optic cables with high spatial resolution. Their technology allows measurements with intervals as small as 12.5 cm over lengths up to 5 km, suitable for borehole and industrial applications. GESO also offers software modules for visualization and integration into higher-level process control systems. WEINERT Industries AG manufactures sensor cables that utilize optical fibers for temperature, pressure, expansion, and other measurements. Their products are designed for building monitoring, fire detection, and property protection, leveraging German engineering expertise to ensure reliability and precision. Summary These German manufacturers provide a range of...

## Article Content

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DTSX3000 Distributed Temperature Sensor | Yokogawa

What Is Distributed Temperature Sensing? Distributed temperature sensing (DTS) measures temperature distribution over the length of an optical fiber cable using

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AP Sensing specializes in advanced distributed fiber optic sensing technology, offering sensor cables that enable precise temperature, strain, and acoustic measurements in harsh environments.

Sensor cables

Alongside their use in data transmission, optical fibers can also be used for measuring temperature, light, breakage, expansion, pressure, and oscillation.

Sensor cables with state-of-the-art fiber optic sensors

Precise monitoring of temperature over long distance in structures and industrial processes. Solifos' fiber optic sensor cables are suitable for measure

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This post lists 8 professional German fiber optic cable manufacturing company. Take a look at their list and obtain detailed information about them.

Sensor Cables | Automation of physical parameters:

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Germany is renowned for its advanced engineering and innovative manufacturing capabilities. This extends into the field of fiber optic cables, where German manufacturers are

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Fibre optic measurements | Services | Solexperts AG

A fibre optic cable can be integrated into a structure during the construction or during remediation measures. Then, the temperature within the structure can be

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Fiber optic cable Manufacturer/producer Germany

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