

FOR IMMEDIATE RELEASE:

Introducing the LHD N45-Series: Raising the Bar for Fiber Optic Linear Heat Detection

Böblingen, Germany
2023-03-22

AP Sensing, a leading provider of fiber optic sensing solutions, is proud to unveil the launch of its third-generation fiber optic Linear Heat Detection (LHD) system - the N45-Series. "We are excited to introduce the LHD N45-Series to the market. With its unmatched performance, reliability, safety, and ease of use, the system raises the bar for fiber optic Linear Heat Detection, giving our customers the peace of mind needed to operate safely and efficiently," said Clemens Pohl, CEO of AP Sensing.

The LHD N45-Series boasts the longest certified distance range on the market, with up to 16 km and four channels for all distance ranges. It is incredibly intuitive to use with a fully integrated web server offering simple configuration via browser, one-click validation of compliance configuration settings, 2000 configurable alarm zones per channel and up to 98 integrated relay contacts. Additionally, the system offers a cost-effective solution that is easy to install, low maintenance, immune to electromagnetic interference (EMI), and provides precise location and monitoring of fire events.

Safety and system reliability are a key feature of the new LHD system, with an MTBF of 35 years, extensively tested rugged housing design, state-of-the-art IT security standards, and benchmark levels of quality. The system offers the most complete set of type tests and certifications on the market including EN54-22 (VdS), UL 521 (UL), CAN/ULC-S530, SIL-2, and ATEX and IECEx for critical areas.

What Is Fiber Optic Linear Heat Detection?

Fiber optic LHD technology uses a fiber optic sensor cable to measure the temperature at every point along the entire cable, detecting changes in temperature and hotspots along an entire asset. For example, for 10 km of cable, the system measures 10,000 temperature points every 5 seconds. This technology detects hotspots and fires, alarming quickly and providing precise information on fire location, size and spread. It is used in a wide range of applications including traffic and utility tunnels, car parks, conveyors, cable trays, solar farms and battery storage.

Press Contact:

For more information on the LHD N45-Series and how it can benefit your business, contact Bernhard Weihermueller at +49 160 9109 6611 / bernhard.weihermueller@apsensing.com or visit the AP Sensing website.

[Link to product video](#)

[Link to product webpage](#)

[Link to website press package](#)