

The New Standard for Fiber Optic Linear Heat Detection

Designed for the Most Demanding Applications



LHD N45-Series

We're proud to be raising the standard for fiber optic Linear Heat Detection (LHD) once again with AP Sensing's N45-Series. With the **longest certified range** on the market & even **faster fire detection** than ever before, the N45-Series LHD offers a perfect trio with improved performance, reliability & ease of use.

Performance

- Longest certified range in the market (up to 16 km)
- Up to 4 channels for all distance ranges
- Fastest fire detection due to significantly improved measurement times
- Simultaneous measurement with two differently optimized configurations for precise temperature monitoring and faster fire detection

Reliability

- Decades of engineering experience ensures MTBF of 35 years
- State-of-the-art IT security standards
- Rugged housing design for outdoor and heavy-duty applications
- Extensive testing for shock, vibration and temperature stress

Ease of use

- Fully integrated web server with simple configuration via browser
- 2000 alarm zones configurable per channel
- Automatic, one-click validation of compliance configuration settings
- Up to 98 integrated relay contacts
- Approved according to both EN 54-22 (VdS) and UL 521 (UL)



	fiber optic LHD	Multipoint LHD	Analog LHD	Digital LHD
Lightweight cable, simple installation	✓	✗	✓	✓
Simultaneous detection of multiple events	✓	✓	✗	✗
Resettable detector	✓	✓	✓	✗
Flexible alarm parameters	✓	✓	✓	✗
Flexible zoning	✓	✓	✗	✗
Gapless temperature measurements	✓	✗	✗	✗



Ideally Suited for Industrial Applications

- Different housing designs available for the **best fit**
- Inherently **safe operation** in explosive environments
- Certified according to **ATEX and IECEx** for the most critical areas
- **SIL-2-rated system**



Why AP Sensing?

- The leader in fiber optic LHD – with the **best performance, highest reliability, and low cost of ownership**
- Projects in **all regions in the world** – more than 600 customers in 70 countries
- **World-class service, support, and training** from AP Sensing's regional offices
- **Fully certified** and in compliance with internationally recognized standards
- **Engineered & made in Germany**



Learn More About the Product:
www.apsensing.com/product/lhd-n45-series



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