



# Linear Heat Series N4387B

## Specifications

Each DTS instrument must pass defined test limits and is individually tested before shipping. This ensures that every DTS unit will meet or exceed the specifications in this datasheet. Adhering to our stringent quality control measures guarantees optimal performance and a long product life.

## DTS Specification – Typical Performance

	Linear Heat Series N4387B					
Instrument option	-001	-002	-004	-006	-008	-010
Distance range	1 km	2 km	4 km	6 km	8 km	10 km
Minimum sampling interval	0.25 m					
Spatial resolution	0.5 m to 8.0 m (adjustable)					
Channel options	1 (N4387B-100) 2 (N4387B-200) 4 (N4387B-400)					
Measurement time	10 s to 30 s (adjustable)					
Available measurement modes	Single ended; Dual ended (loop, incl. fiber break recovery, not with channel option N4387B-100)					
Average laser output power	< 20 mW					
Fire Certifications	EN54-22 / UL 521 / ULC S530					
ATEX certification	EX II (1) GD; I M2					



<b>Interfaces</b>	
Optical connector	E2000 APC 8° angled; 50/125 µm graded index MM
Computer interface	USB, Ethernet (LAN)
Communication protocol	SCPI; Modbus TCP ( <b>option -060</b> )
Relay board	4 inputs, 44 outputs (volt-free contacts)

<b>Other</b>	
Power supply	10 V to 30 V DC
Power consumption	17 W typically, at 20 °C ambient temperature; <40 W (entire operating conditions)

<b>Housing &amp; Environmental Conditions</b>			
Housing option	-H01 (19" rack)	-H02 (Outdoor housing, IP66)	-HW2 (Outdoor w. window, IP66)
Operating temperature range	-10 °C to +60°C		
Storage temperature range	-40 °C to +80°C		
Operating humidity range	0% to 95% r.h. non-condensing		
Dimensions	88 x 448 x 364 mm	500 x 400 x 150 mm	
Weight	9 kg	17 kg	
Certifications	EN54-22 (VdS) / UL 521 and ULC-S530	UL 521 and ULC-S530	EN54-22 (VdS) / UL 521 and ULC-S530



**H02: Outdoor housing, IP66**



**HW2: Outdoor housing with window, IP66**

Product specifications and descriptions in this document are subject to change without notice and are not binding to AP Sensing.