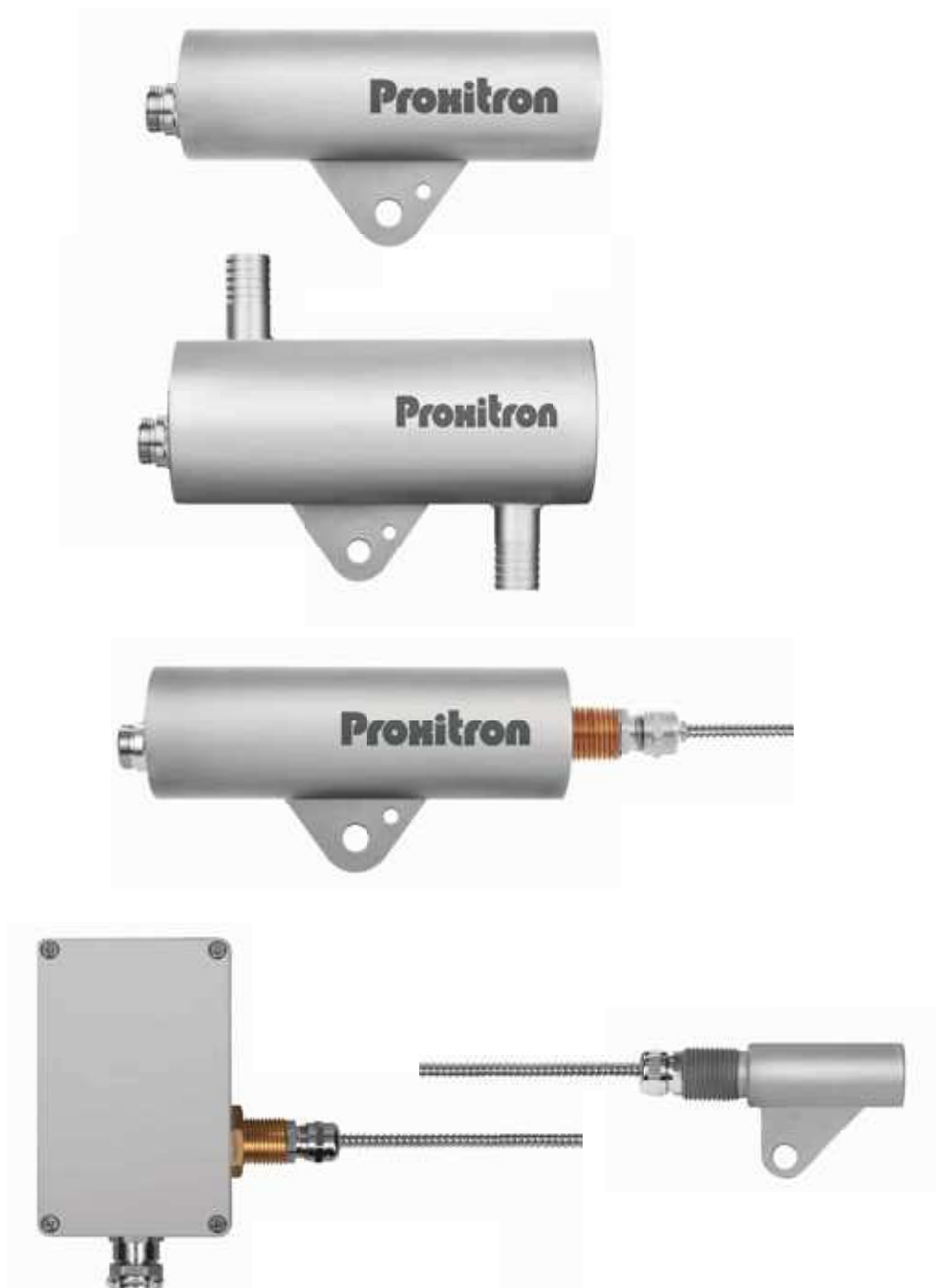






Thru-Beam Sensor  
up to 2500 m  
range






Detects hot and cold objects extremely secure

Basis Type - Compact Version - Cooling Jacket - Optics - High Temperature





Sensing range max.	<b>2500 m</b>	<b>2500 m</b>	
Operating range	1500 m	1500 m	
Type of sensor	Thru-Beam Sensor transmitter	Thru-Beam Sensor transmitter	
			
Housing size [mm]	Ø57 x 170	Ø76 x 170	
Housing material	stainless steel	stainless steel	
Type of light	infrared	infrared	
Ambient temperature	up to +70 °C	up to +200 °C (with water cooling)	
Type	<b>LAA 600</b>	<b>LAB 600</b>	
Test-Function	yes	yes	
Notes			

Sensing range max.	<b>2500 m</b>	<b>2500 m</b>	
Operating range	1500 m	1500 m	
Type of sensor	Thru-Beam Sensor receiver	Thru-Beam Sensor receiver	
			
Housing size [mm]	Ø57 x 170	Ø76 x 170	
Housing material	stainless steel	stainless steel	
Type of light	infrared	infrared	
Ambient temperature	up to +70 °C	up to +200 °C (with water cooling)	
Type	<b>LSA 600</b>	<b>LSB 600</b>	
Contamination control	yes	yes	
Notes			

# Thru-Beam Sensor with fiber optic cable

	400 m - 150 m	400 m - 150 m	100 m
	320 m - 120 m	320 m - 120 m	40 m
	Thru-Beam Sensor transmitter	Thru-Beam Sensor transmitter	Thru-Beam Sensor transmitter and receiver
			
	Ø57 x 210	125 x 150 x 55	125 x 150 x 55
	stainless steel	aluminium	aluminium
	infrared	infrared	infrared
	up to +70 °C (fiber optic cable up to +290 °C)	up to +70 °C (fiber optic cable up to +290 °C)	up to +70 °C (fiber optic cable up to +290 °C)
	<b>LAA 667</b>	<b>LAD 600</b>	<b>LASD 600</b>
	yes	yes	yes

## Accessories for fiber optic cable versions

	750 m - 150 m	750 m / 150 m		
	600 m - 120 m	600 m - 120 m		
	Thru-Beam Sensor receiver	Thru-Beam Sensor receiver	Optic	Fiber optic cable
				
	Ø57 x 210	125 x 150 x 55	Ø20 x 130	Ø6 x lengths <sup>2)</sup>
	stainless steel	aluminium	stainless steel	stainless steel
	infrared	infrared		
	up to +70 °C (fiber optic cable up to +290 °C)	up to +70 °C (fiber optic cable up to +290 °C)	up to +290 °C <sup>1)</sup>	up to +290 °C
	<b>LSA 667</b>	<b>LSD 600</b>	<b>OACF 154</b>	<b>LLK</b>
	yes	yes		

<sup>1)</sup> Up to +600 °C available

<sup>2)</sup> Lengths 2, 4, 5, 6, 8, 10, 15, 20 m

More optics and fiber optic cables:  
view accessories brochure

# Thru-Beam Sensor

## General informationen

Proxitron light barriers are outstanding for detecting hot and cold objects. They are not sensitive to exterior light influences and resistant to infrared radiation from other heat sources. This enables them to be used for detection of objects inside furnaces. The high switching speed enables secure monitoring of rapid processes and the extreme range permits the use in most difficult environments. Proxitron has set new standards of operating security and functional reserve. The robust design guarantees secure operation even in cases of vibrations, radiating heat, and high ambient temperatures. The optics consist of temperature-resistant glass that can resist the toughest condition.

In addition to the standard versions featuring stainless steel housing with integrated electronics, there are variations with cooling jacket housing for temperatures up to 200 °C available. Furthermore versions with fiber optic cable, separate evaluation system and separate optics that are able to withstand ambient temperatures up to 600 °C are also part of the product range. A contamination control enables early signalling of unstable operating conditions. Several connection variations, an optional air purge, and matching accessories round off the series.

- **detection of hot and cold objects**
- **max. range 2500 m**
- **ambient temperature up to +600 °C**
- **extremely fast (1 ms/ 1000 Hz)**
- **extremely high functional reserve**
- **robust stainless steel housing**
- **simple LED signalling**
- **optics and fiber optic cables for hot areas**
- **contamination control**
- **diverse connections, outputs, and operating voltage variations**
- **several accessories**



## Type Code

