

Fibre optic systems

The flexible and rigid fibre optic systems may be integrated directly into the hot area of the burner. It transfers the radiation from the flame over a fibre optic bundle to the flame sensor installed outside the burner

D-LL 701 fibre optic system

- Flexible fibre optic system
- Flame sensor and optics of the fibre optic system are connected by a glass fibre bundle which is surrounded by a flexible protection hose
- Suitable for temperatures up to 350 °C

D-LL 702 fibre optic system

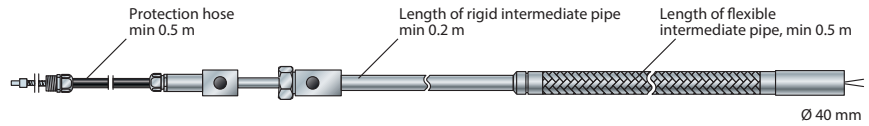
- Rigid fibre optic system
- Flame sensor and optics of the fibre optic system are connected by a glass fibre bundle which is surrounded by a flexible protection hose
- Suitable for temperatures up to 350 °C

D-LL 703 fibre optic system

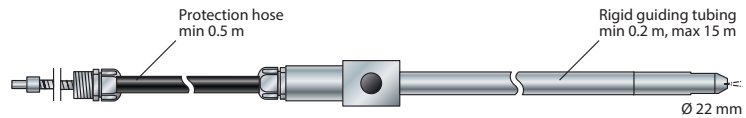
- Flexible fibre optic system
- For combination with flame sensor or compact flame monitor
- The optics of the fibre optic system are connected to the sensor by a multiple protected glass fibre bundle
- Suitable for temperatures up to 350 °C

D-LL 704 fibre optic system

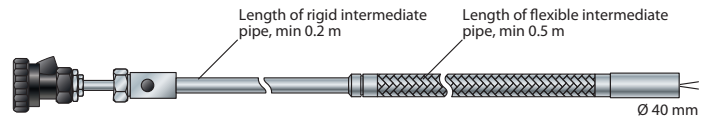
- Rigid fibre optic system
- For combination with flame sensor or compact flame monitor
- The optics of the fibre optic system are connected to the sensor by a multiple protected glass fibre bundle
- Suitable for temperatures up to 350 °C



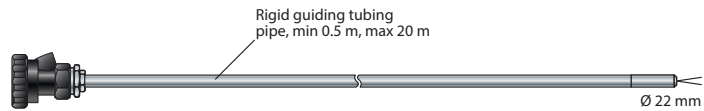
D-LL 701: flexible fibre optic system for D-LE 701			
Spectral ranges	UV, IR	Purge air connection	G 1/2"
Viewing angle	6°	Intermediate pipe material	1.4301
Perm. ambient temperature	-40 °C to +350 °C (optical system)	Weight	approx. 1.6 kg + 1 kg/m



D-LL 702: rigid fibre optic system for D-LE 701			
Spectral ranges	UV, IR	Purge air connection	G 1/2"
Viewing angle	6°	Guiding tube material	1.4301
Perm. ambient temperature	-40 °C to +350 °C (optical system)	Weight	approx. 1.6 kg + 1 kg/m



D-LL 703: flexible fibre optic system for D-LE 703 and D-LX 720			
Spectral ranges	UV, IR	Cooling air connection	G 1/2"
Viewing angle	6°	Intermediate pipe material	1.4301
Perm. ambient temperature	-40 °C to +350 °C (optical system)	Weight	approx. 3 kg + 1 kg/m
Purge air connection	G 1/2"		



D-LL 704: rigid fibre optic system for D-LE 703 and D-LX 720			
Spectral ranges	UV, IR	Cooling air connection	G 1/2"
Viewing angle	6°	Guiding tube material	1.4301
Perm. ambient temperature	-40 °C to +350 °C (optical system)	Weight	approx. 2 kg + 1 kg/m
Purge air connection	G 1/2"		

Applications

- Tilting burner (flexible system)
- Burners with difficult installation conditions for conventional flame sensors or on those whose ambient temperature near the sighting tube is too high
- Power stations
- Chemical industry
- Refineries
- Cement plants
- Waste incinerators
- Steam generators, heating plants