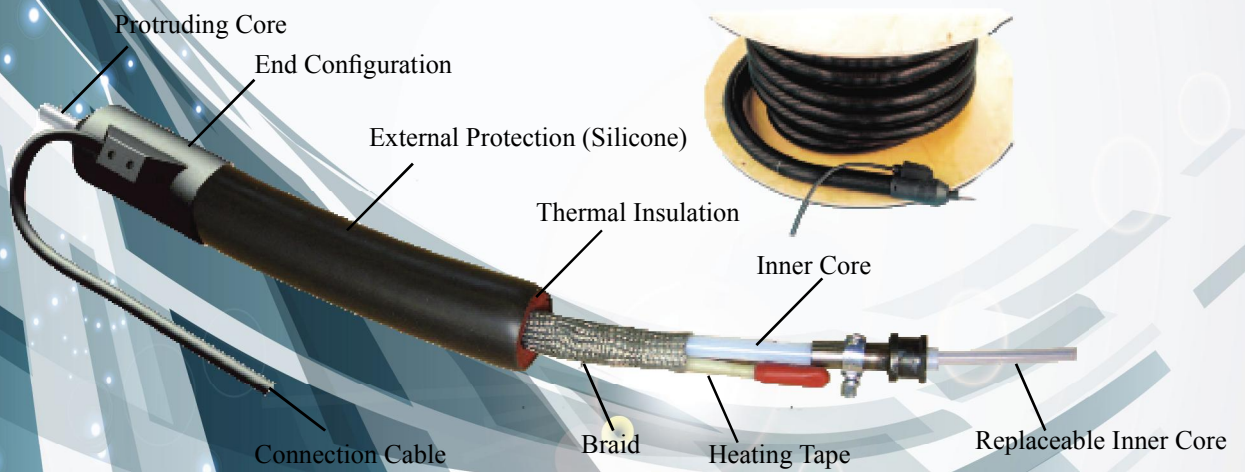


Heated Sample Line to cut to length

NG 3000-HH



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Application

- For extractive gas analysis
- For emission and process monitoring
- For transport of sample gas from sample point to analysis system
- To stay safely above the acid dew point
- For protection against freezing
- To prevent measurement faults
- For indoor and outdoor use

Benefits

- No condensate formation, no freezing
- Tight bending radius possible
- Optimal heat deployment
- Easy to shorten and assemble at site
- Available per meter (max. 150 m per roll)

Features

- Heatable to max. 165°C
- Flexible silicone protection jacket
- Heat insulation with silicone foam
- Heating band with constant 60 W, segment length 0.5m
- Maximum length of heated line: 60m
- Inner core: PTFE, PFA or stainless steel, DN 4 to DN 10
- Complete assembling sets with PT100, connection cable and PA hard caps or ready for use ex works
- Second core for e.g. calibration gas as option

Technical Data

Model	NG 3000-HH
Description	Regulated heated sample line to cut to length
External protection jacket	Silicone jacket glossy, black
Inner core	Fixed or interchangeable as option
Area of application	Fixed installation indoor and outdoor

Operation Data

Operating temperature	Max. 165°C at 0°C T _{amb} , and at 230 VAC U _v *
Operating pressure (max. at 170°C)	DN 4/6mm 14.4 bara DN 6/8mm 10.4 bara DN 8/10mm 8 bara DN 10/12mm 6.4 bara
Ambient temperature	-40°C....80°C

Construction

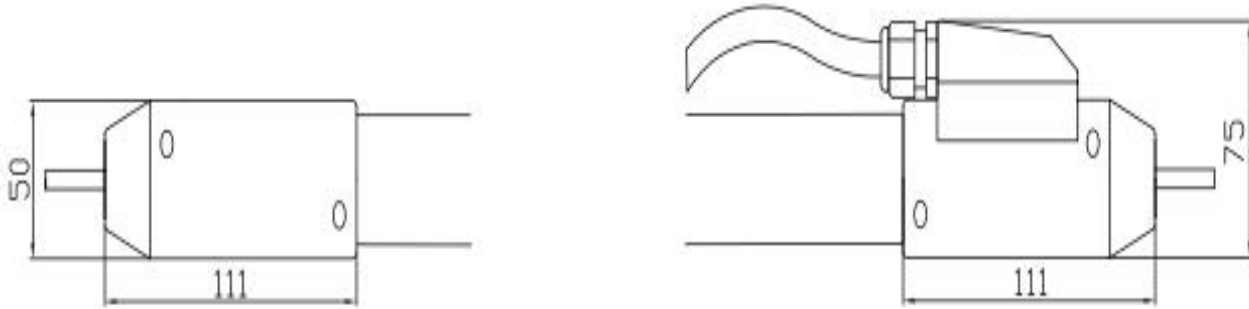
Material inner core	PTFE, optional PFA or stainless steel SS316Ti
Dimensions inner core	DN 4/6 mm, DN 6/8 mm, DN 8/10 mm, DN 10/12 mm
Thermal insulation	Silicone foam
End Configuration	Hard caps
Maximum length of finished sample line	60 m
Outer diameter	42 mm ± 10%
Minimum bending radius	250 mm
Weight	1000 g/m
Temperature resistance external jacket	max. 200°C
Production length per roll	max. 150 m
Dimensions PA hard caps	111 mm long, Ø50 mm outside, Ø75 mm with connection cable
Protection class	IP 44 (EN60529)
Approvals / sign	TUV EC Conformity

Electrics





Power supply	230VAC 50....60 Hz +5% / -10%
Power consumption	Constant 60 W/m at 20°C T _U and at 230VAC
Connection Cable	3m long, open cable ends
Temperature sensor	PT100 (included in assembly set)
Segment length	0.5 m
Connection cable	3 m long, silicone, 3 x 1.5 mm ²

* At voltage below 230VAC the power density is reduced and at ambient temperatures below 0°C the max. temperature is reduced. For further information please contact our LKS sales team.

Dimensions of the PA hard caps

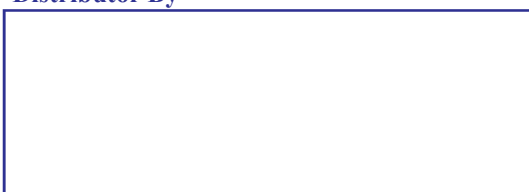


Order Codes

Description		Part Number
Heated sample line with PTFE-core	DN 4/6 mm	HH-4-HKS60T
	DN 6/8 mm	HH-6-HKS60T
	DN 8/10 mm	HH-8-HKS60T
	DN 10/12 mm	HH-10-HKS60T
Options	Additional core DN 4/6 for calibration gas, extra charge per meter	HH-CAL-HKS60T
	Replaceable inner core, extra charge per meter	HH-RIC-HKS60T
Accessories	 <p>Universal-mounting clamp for mounting at gas sample probes series LKS for line diameters 35 ...50 mm</p>	HH-00980
Power connection and assembly kits	 <p>2 x hard cap connection, 3 m connection cable (Silicone, 3 x 1.5 mm²), PT 100, for self assembly</p>	HH-K-HKS
	<p>2 x hard cap connection, 3 m connection cable (Silicone, 3 x 1.5 mm²), PT 100, for sample lines with calibration gas</p>	HH-K-HKS-Q10
	<p>2 x hard cap connection, 3 m connection cable (Silicone, 3 x 1.5 mm²), PT 100, pre-assembled and ready for use ex works</p>	HH-KW-HKS
Temperature controller	 <p>Temperature controller HT 42 (max. 16A) for wall mounting, 230 VAC 50...60Hz, 115 VAC optional</p>	HH-00110
	 <p>Temperature controller IC 488 for front panel mounting or rail mounting (option), 100 ... 240 VAC 50 ...60Hz</p>	HH-00100
	<p>Solid State Relay (RGC) 30A for IC488, 42...600 VAC 45...65Hz</p>	HH-00500
	<p>Extra charge customised pre-configuration of IC488</p>	HH-90000

Data sheets about these and other temperature controllers can be found in this chapter (2)

Distributor By



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