

JH3B-HKS60 Heated Sample Line



JCT
Analysentechnik
GmbH

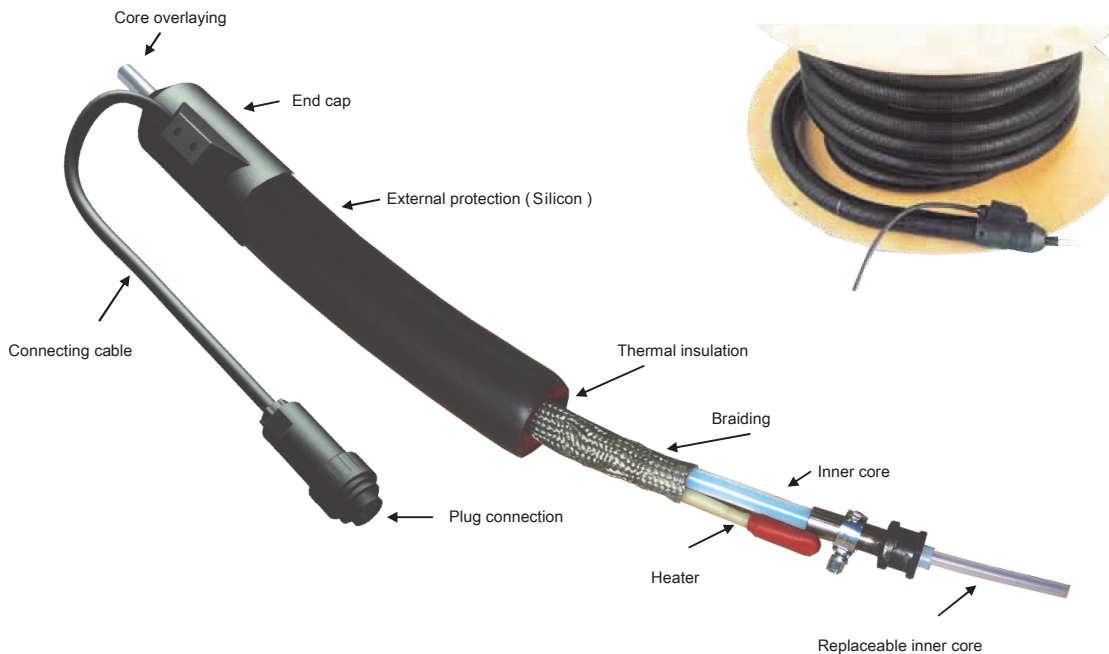
Gas Sampling
Probes

Heated Sample Lines

Sample Gas
Coolers

Gas
Converters

Accessories



APPLICATION

- For extractive gas analysis
- For emission and process monitoring
- Transports sample gas unchanged to sample conditioning unit
- Available per meter for self assembly (max. 100 m per roll)
- Applicable for indoor and outdoor installations

BENEFITS

- Tight bending radius possible
- Optimal heat deployment
- No condensation
- Heated line can be shortened and assembled on site

TECHNICAL FEATURES

- Silicon external protection
- Heater with constant 60 W
- Length of segment 0,5 m
- max. length of assembled heated line: 60 m
- Inner core: PTFE, PFA or VA ID4 to ID10
- Thermal insulation with Silicon foam
- Assembling set with PT-100 sensor
- PA-hard caps on both ends and excess length axial inner core
- Optional with additional calibration core



TECHNICAL DATA

SPECIFICATIONS

Operating temperature	Max. 180 °C at 0° T _A and 230 VAC U _S
Power supply (U _S)	230 VAC +5%/ -10%
Power consumption CPT heater tape	constant power density 60 W/m at 20 °C T _A
Inner core dimensions	DN 4/6 mm, DN 6/8 mm, DN 8/10 mm, DN 10/12 mm
Inner core Options	PTFE PFA, VA
Operating pressure DN 4/6 mm DN 6/8 mm DN 8/10 mm DN 10/12 mm	max. @ 180 °C 14,4 bar 10,4 bar 8 bar 6,4 bar
Thermal insulation	Silicon foam
External protection	Silicon, glossy surface, black
Resistance of external protection	max. 200 °C
Temperature sensor	PT 100 (part of assembly set)
Weight	approx. 1000 g / m



Mounting Clamp

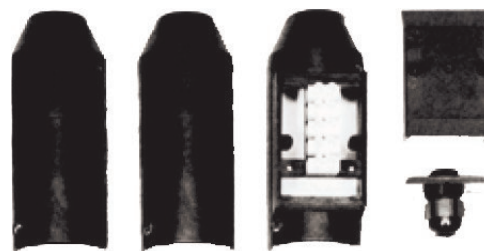
SPECIFICATIONS

Manufacturing length per roll	max. 100 m
Length of assembled heated line	max. 60 m
Length of segment	0,5 m
Minimum bending radius	50 mm
Outer diameter hose	42 mm +/-10%
Power cord	Silicon, 3 x 1,5 mm ² , 3 m length
Protection class	IP 54 (EN60529)
Approvals / Sign	CE

DIMENSIONS OF HARD CAP

Length	Outer diameter without cable (Type F)	Outer diameter with feed cable (Type A und B)
110 mm	51 mm	75 mm

Assembly Kit Hard Caps



ORDER CODE

HEATED LINE JH3B WITH HEATER TAPE HKS60

JH3B-4-HKS60	PTFE core, DN 4/6 mm
JH3B-6-HKS60	PTFE core, DN 6/8 mm
JH3B-8-HKS60	PTFE core, DN 8/10 mm
JH3B-10-HKS60	PTFE core, DN 10/12 mm

OPTIONS

JH3B-CAL-HKS60	Additional calibration core DN 4/6 mm
JH3B-RIC-HKS60	Replaceable inner core

ACCESSORIES

35.00980	Mounting Clamp (35...50 mm)
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POWER CONNECTION AND END SEALING KIT

JH3B-K-HKS	2x hard caps, 3 m connecting cable (Silicon, 3 x 1,5 mm ²), PT 100, for self assembly
JH3B-KW-HKS	2x hard caps, 3 m connecting cable (Silicon, 3 x 1,5 mm ²), PT 100, pre-assembled, ready-to-use
JH3B-K-HKS-Q10	2x hard caps, 3 m connecting cable (Silicon, 3 x 1,5 mm ²), PT 100, for hoses with calibration core, for self assembly

TEMPERATURE CONTROLLER 230 VAC 50/60 Hz

89.00110	Temperature controller HT 42 (max. 16 A)
89.00100	Temperature controller JPXR4
89.90000	Solid State Relais SSR 30A for JPXR4
89.00500	Preconfiguration of JPXR4

Specification subject to change without notice.

PDS_E_HH_JH3B-HKS60_v2.0

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