



Analysis heating hoses

KA FOR THE TRANSPORT OF GASEOUS MEDIA



Analysis heated hoses from KLETTI are used wherever gaseous media have to be transported over short and longer distances within defined temperature paths, e.g., from the sampling point to the gas conditioning system and analyzer.

The sample line can be flexibly heated and ensures that a specific temperature is maintained when measuring e.g., engine exhaust, blast furnaces and industrial fumes as well as air and environmental samples.

Fields of application: CO₂ measurements, industrial exhaust gases (e.g., waste incineration plants or large power plants), temperature maintenance of engine exhaust gases (e.g., engine test benches), air measurements, environmental measurements (e.g., water analysis / water extraction) and in industrial process analytics.

Additional options:

- With exchangeable inner core
- With PG screw connection
- With multi-core control and supply lines in the hose
- With temperature limiter
- Heating with self-regulating heating tape

TECHNICAL DATA

Operating temperature	Max. 100 °C / 200 °C / 250 °C, higher temperatures on request
Nominal voltage	Standard 230 VAC, (12 – 600 VAC possible)
Nominal width	NW 4 – 12, others on request
Medium hose	Up to 250 °C with PFA-/PTFE hose From 250 °C with corrugated stainless-steel hose Heated stainless-steel tube (nominal width on request)
Connection fittings	Customized; PTFE hose, according to the value of the diameter
Test voltage	High voltage test up to 2000 VAC
Heating element	Manufactured in accordance with the DIN standard, insulated with PFA or PTFE depending on the version and covered with nickel-plated protective braid, moisture-proof (only up to 250 °C)
Temperature sensor	Pt-100, Pt-1000, Ni-120, NTC (-100K), or thermocouple (type K, type J), others on request
Thermal insulation	Heat resistant aramid thermofleece
Outer protection	Polyamide braiding, corrugated tube (different versions), metal braiding (stainless steel or galvanized), silicone foam black cover
Power supply line	1,5 m with 7-pin circular plug (standard), compatible with our temperature controlling devices, others on request
Control wires	According to customer request
End caps	Silicone caps or hard caps with traction relief, PG screw connection, corrugated tube fitting
Manufactured length	Up to 46m, other lengths on request
Certification	CE-mark, UL- CAN/CSA certification on request
Ordering data	See technical questionnaire
Protection class	IP 54, IP65 or IP66 (depending on version)

ELECTRICAL DATA

Heating performance W/m at 230 V AC; Tolerances +5 % / -10 %

Nominal width DN	4	6	8	10	12
Temperature range ca. 200 °C / max. 250 °C	80	110	130	150	180
Temperature range from 250 °C	Depending on the version				

Further information and suitable accessories can be found on our website: www.kletti-gmbh.com.

Do you have any questions or need an offer?

Contact us: sales@kletti-gmbh.com