

ANALYSIS HEATING HOSE

FOR THE TRANSPORTATION OF GASEOUS MEDIA



Our analysis-heating hoses of the type „KA“ are employed wherever liquid, viscous or gaseous media has to be transported over short or longer distances within a defined temperature range. The sampling pipe of the hose is flexibly heatable and is used to preserve temperatures in the measurement of e.g. engine exhaust gas, blast furnace or industrial gases, as well as to preserve atmospheric and environmental values. These heating hoses are used to prevent a lower deviation of the dew point and hence prevent the creation of condensate in the medium. Optimise your working capacity as we produce individual devices according to your personal needs.

Application area: For CO-measurements, industrial fumes (e.g. waste incinerating plants or large power stations), temperature preservation of engine exhaust gases (e.g. test block), atmospheric measurements, environmental measurements (e.g. examination of water / water extraction) and for the industrial activity analysis.

ADDITIONAL OPTIONS:

- with an incorporated VA-carrier cable for traction relief
- with multi-core control and supply lines in the hose
- with temperature controlling devices
- heating with a self-adjusting heating tape
- with additional tubes for calibration in the heating hose
- compatible to our control units

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TECHNICAL DATA

Operation Temperature	Max. 100 °C / 200 °C / 250 °C / 300 °C / 350 °C
Nominal Voltage	230 V AC, other voltages are available on request
Nominal Width	Customised
Pressure Hose	Heated PTFE-core With PG-gland At 350 °C with VA-core Heated stainless steel tube (nominal width on request)
Connection Fittings	Customised, PTFE-hose, equivalent with the value of the diameter (see datasheet „Fitting Overview“)
Test Voltage	The control will be in accordance with the VDE norms
Heating Hose	Manufactured compliant with the DIN norm, protected against humidity by a copper braid (only until 250 °C)
Temperature Sensor	PT-100 or thermocouples
Thermal Insulation	Finely pored rubber tube at 100 °C, thermally insulated silicone tube at 200 °C / 250 °C
External Protection Braiding	Polyamide braiding, corrugated tube, metal braiding, VA-braiding
Power Supply Line	1,5 m with 7-pole circular plug (standard) compatible with our temperature controlling devices, other connections available on request
Hose End Caps	Silicone rubber caps or hard caps with traction relief, PG-gland
Manufactured Length	We produce all lengths of tubes on request
Certification	CE-mark, UL-mark on request
Ordering Data	See type index or technical form

ELECTRICAL DATA

Heating performance 230 V AC Tolerances +5 % / -0 %

Temperature Sector	DN	4	6	8	10	12
Max. ca. 100° C / 200 °C	W/m	80	110	130	150	180
Max. ca. 350°C	W/m	200	220	240	280	310

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TEMPERATURE CONTROLLING DEVICES



KM-RD 50xx



KM-RD 52xx