

Analytical heating hose series KM-AHS

maintaining the temperature of gas



Description:

These flexible heated sampling lines are used, when a temperature in combination with measurement of engine exhaust gases, blast furnace, industrial waste gases, air and environmental values should be held. These heating tubes are used to prevent dew point and hence prevent the creation of condensation in the medium.

Additional options:

- with a removable inner core that can survive at the ends
- a PG-screw makes assembly easier
- incorporated VA suspension cable for strain relief for long distances
- additional calibration lines in the heating tube possible
- heating with self-limiting heating cable in order to determine the length of the heating hose on site

Technical Data

KM Analytical heating hose

temperature area	max. 100°C / 200°C / 250°C / 350°C
inner core	PTFE-core at 350°C with VA-core
connection fittings	RSL V4A steel for mechanical joint
heat conduction	depending on the version with PFA or PTFE insulated and protected – even against moisture; 350°C with glass and not moisture-proof
temperature sensor	PT 100 or thermal element (type J or K)
thermal insulation	heat-stable, closed-pored foam hose out of silicone or felt (temperature-dependant)
protective covering	black polyamide or metal mesh
power supply cable	1,5 m with 7-pole round plug; suitable for our temperature regulators
hose ends	hard cap or silicone rubber cap with strain relief
nominal voltage	230 V AC other voltages available on request
test voltage	high voltage test with 2000 V heat conductor - protection conductor
order no.	see model key or tech. modification

Electrical data

power W/m at 230 V AC (tolerances +5% / -10%)

temperature area	DN	4	6	8	10	12
max. 100°C / 200°C	W/m	80	90	100	120	125
max. 350°C	W/m	200	220	240	280	310

We supply a full range of controllers and temperature regulators:



One hand regulator
series KM-RD1000



Double-regulator
series KM-RD2000



Regulator- and limiter
combination KM-RD3000



EExi-regulator combination
KM-RD4011

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