

Duct temperature sensors KDT-M / KDT-M1



Application

The duct temperature sensors are designed for installation in the air duct and temperature measurement of the air flow in the ventilation and air conditioning systems.

Design

The sensing element, NTC thermometer resistor, is enclosed in the aluminium sleeve. The thermometer resistor electric resistor depends on the temperature, the non-linear resistance. Connection of the sensor to

the controller is double-wired, regardless of polarity.

The KDT-M sensor delivery set includes a mounting flange with a fixing screw for its fixation to the air duct wall. The sensors are supplied with a 2.5 m connecting cable. The immersion depth is adjusted for 100, 150, 20 or 400 mm.

Mounting

Fixation with screws to the air duct wall by means of the flange with the sensing element located the air stream.

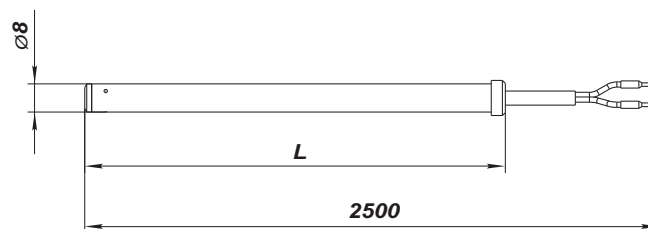
Technical data:

	KDT-M / KDT-M1
Temperature measuring range [°C]	-30...+80
Voltage [V]	≤ 5 DC*
Output	resistance
Electric connection	double-wire, cross section 2x0.25 mm ²
Relative humidity	up to 90%, no condensation
Protection rating	IP 54
Electrical appliance class	III

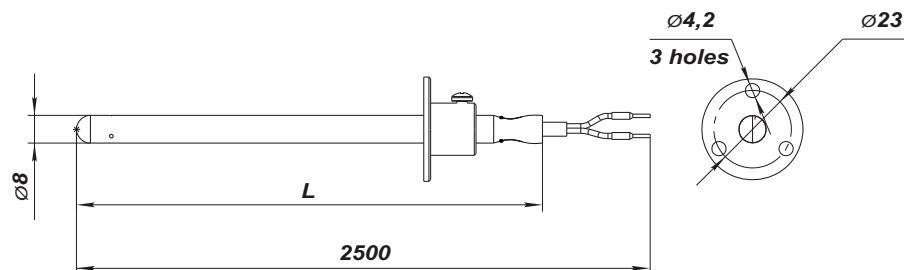
*Maximum current generated through the sensor by the applied voltage is 2 mA.

Overall dimensions:

Type	L [mm]
KDT-M 100 / KDT-M1 100	100
KDT-M 150 / KDT-M1 150	150
KDT-M 200 / KDT-M1 200	200
KDT-M 400 / KDT-M1 400	400



KDT-M1 duct temperature sensor



KDT-M duct temperature sensor