

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, 200 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.

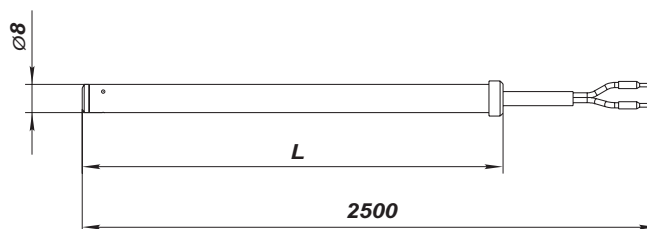
Technical data

	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	IP54
Electrical appliance class	III

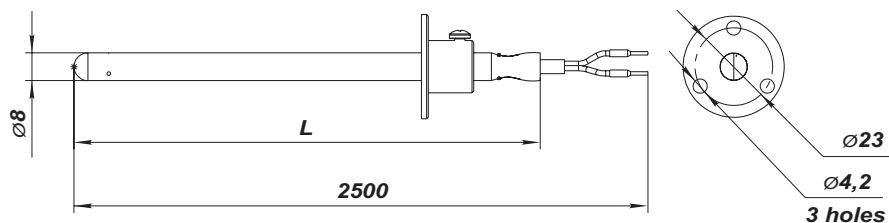
*Maximum current generated through the sensor by the applied voltage is 2 mA.

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