CAREL

2.8   Models NTC*HF*

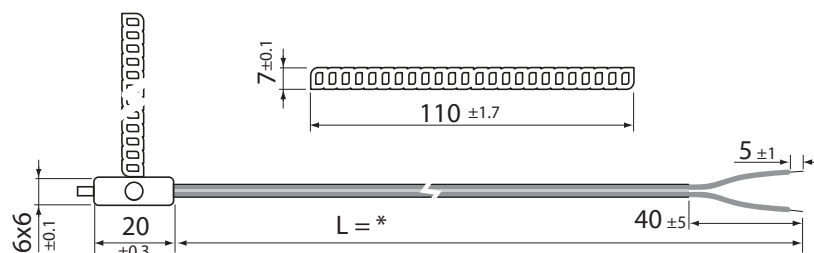| Storage conditions	-50T105 °C
Operating range	-50T105 °C
Connections	Stripped ends, dimensions 6±1mm
Sensor	R(25 °C)= 10 kOhm 1%; Beta 3435
Precision	+/- 0.5 °C at 25 °C; +/- 1.0 °C from -50T90 °C
Dissipation factor (in air)	3 mW
Thermal constant over time (in air)	approx. 50 s
Cable	Black, thermoplastic rubber flat cable (diam. 3.6x1.6 max.)
Sensitive element index of protection	IP67
Sensitive element housing	Thermoplastic with fastening clamp
Classification according to protection against electric shock (sensitive element and cable)	Basic insulation for 250 Vac
Category of resistance to heat and fire	UL/HB cable
Insulation resistance at 500 Vdc	>20 mOhm
Dielectric strength	1500 Vac

Tab. 2.h

Fig. 2.n

* = see table of product codes in price list

2.9   Models NTC*WS*

| Storage conditions	-40T105 °C
Operating range	-40T105 °C
Connections	Terminating pins on the cable
Sensor	R(25 °C)= 10 kOhm 1%; Beta 3435
Precision	±0.3°C a 25°C, ±1°C -40T80°C, ±1.5°C 80T105°C
Dissipation factor (in air)	3 mW
Thermal constant over time (in air)	approx. 50 s
Cable	Black, thermoplastic rubber cable with black-white wires, cross-section 2x0.25 mm^2 diam. 3.3mm
Sensitive element index of protection	IP67
Sensitive element housing	Copper cap - dimensions 4x16 mm ±1.5% with polyurethane resin packing
Cable tie tension	Typical 250N (position 6 on the tool); Maximum 260N (position 7 on the tool);
Classification according to protection against electric shock (sensitive element and cable)	Basic insulation for 250 Vac
Category of resistance to heat and fire	UL/HB cable
Insulation resistance at 500 Vdc	>20 MOhm 500 Vdc
Dielectric rigidity	1500 Vac

Tab. 2.i

Fig. 2.o

Punto di contatto in rame
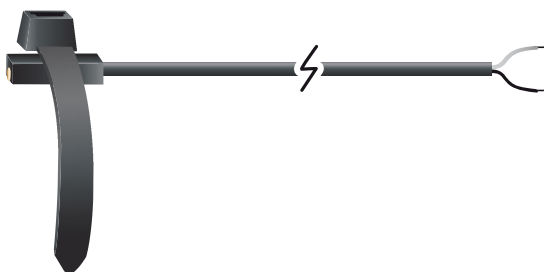
Fig. 2.p

* = see table of product codes in price list

Fig. 2.q

Cable tie tension and cut-off tool with tension adjustment (Carel P/N CM00000006)

Tool for tightening the cable tie at a constant set tension to ensure continuous contact between the sensor and the surface of the pipe.

Cable tie tension can be adjusted simply using the screw at the base of the handle, which moves the index on a scale from 1 to 8. The corresponding force applied is shown in the following table:

Tool	1	2	3	4	5	6	7	8	Tollerance
	Low			Medium			High		
MK6	135	160	180	235	250	250	260	290	± 2

Tab. 1.a

The values are expressed in newtons (N)