

## Datasheet

# IEC Mineral Insulated Thermocouple with Threaded Pot – Type ‘N’

Nicrosil Alloy sheath - Threaded pot seal with locknuts, 1 metre PVC lead & tails



- Superior Type ‘N’ Mineral insulated Thermocouple to IEC 584-1-2
- Nicrosil/Nisil conductors, Nicrosil Alloy sheath
- Type ‘N’ recognised for its improved thermal emf stability and higher operating temperature range
- 3.0mm diameter x 300mm probe length
- 1 metre 7/0.2mm PVC insulated flat pair cable and tails (colour coded to IEC 584-3)
- Highly flexible, sheath can be bent/formed to suit many applications and processes
- Insulated hot junction
- Probe temperature range; -40°C to +1250°C
- M8x1 threaded pot seal complete with 2 x brass locknuts

### Specifications

Sensor type:	Type ‘N’ with Nickel Chrome Silicon/Nickel Silicon conductors
Construction:	Flexible mineral insulated probe, M8x1 (fine thread) threaded pot seal + 1-metre-long extension cable
Sheath composition:	Nicrosil Alloy (Nickel, Chromium, Silicon Alloy)
Element/hot junction:	Single element, hot junction insulated from sheath in order to prevent electrical noise & interference
Termination:	1 metre 7/0.2mm PVC (105°C max) insulated flat pair cable with tail wires, colour coded in accordance with IEC 584-3
Probe temperature range:	-40°C to +1250°C (Nicrosil sheath)
Pot seal rating:	105°C

### Nicrosil Alloy:

Performs well in oxidising and carburising atmospheres to 1250°C, in addition it will withstand reducing sulphur atmospheres to around 500°C and oxidising sulphur atmospheres to around 800°C

Typical applications include heat treatment furnaces, metal working, glass industry, pottery & ceramic production, brick & tile industry etc.

T/C Type	Probe Dia. (mm)	Probe Length (mm)	Sheath	Cable jacket	Tails: +pos/-neg	Allied code	RS order code
N	3.0	300	NICROSIL	Pink	Pink/White	70641634	<b>219-4652</b>