

**Thermometers TFN-Series****ebro****Thermometers TFN-Series**

1- or 2-Channel thermometers for use with thermocouples (Type K, J, T, E)

TFN 520 / TFN 520-SMP / TFN 530 / TFN 530-SMP

Applications:

Heating / Air-conditioning, ventilation / Air, gases, fluids / Surface temperature / Plastic materials
/ Laboratories

Attributes:

- Robust and impact resistant
- Min / Max, Hold facility
- °C/°F selectable
- Battery charge status indicator
- Changeable battery
- Factory calibration certificate

Specifications

Measuring range Type K

Measuring range Type J

Measuring range Type T

Measuring range Type E -200 to +1200 °C

-100 to +800 °C

-100 to +300 °C

-100 to +600°C

Accuracy at +25°C, Type K

Accuracy at +25°C, Type J ± 0.3 °C (-100 to +250 °C)

± 0.3 °C (-50 to +190 °C)

Accuracy at +25°C, Type T ± 0.3 °C (-50 to +220 °C)

Accuracy at +25°C, Type E ± 0.3 °C (-50 to +150 °C)

± 0.5 % for remaining range

Resolution Type K

Resolution Type J

Resolution Type T

Resolution Type E 0.1 °C (-99.9 to +250 °C)

0.1 °C (-99.9 to +190 °C)

0.1 °C (-99.9 to +220 °C)

0.1°C (-99.9 to +150°C)

1°C for remaining range

IP code: IP 52 (TFN 520 / TFN 530); IP 40 (TFN 520-SMP / TFN 530-SMP)

Dimensions: 115 x 54 x 22 mm

Housing: ABS

Weight: approx. 90 g

Sensor: external; thermocouple Type K, J, T, E

Sensor connection: LEMO (TFN 520 / TFN 530); SMP (TFN 520-SMP / TFN 530-SMP)

Number of channels: 1 (TFN 520 / TFN 520-SMP); 2 (TFN 530 / TFN 530-SMP)



SMP)

Power supply: Lithium, 3 V; battery life approx. 5 years

Measuring rate:

Operating temperature:

Storage temperature: 0.5 to 15 secs.

-5 to +50 °C

-25 to +60 °C

Code	Description	Packaging
LLG09908060	Thermometers TFN-Series, Type TFN 520, 1-Channel Thermometer (Lemo connection)	1 pz.
LLG09908061	Thermometers TFN-Series, Type TFN 520-SMP, 1-Channel Thermometer (SMP Connection)	1 pz.
LLG09908062	Thermometers TFN-Series, Type TFN 530, 2-Channel Thermometer (Lemo Connection)	1 pz.



Code	Description	Packaging
LLG09908063	Thermometers TFN-Series, Type TFN 530-SMP, 2-Channel Thermometer (SMP Connection)	1 pz.
LLG09908065	Thermometers TFN-Series, Type TPN 341, Paddle probe, SMP	1 pz.
LLG09908064	Thermometers TFN-Series, Type TPN 211, Penetration probe, SMP	1 pz.
LLG09908068	Thermometers TFN-Series, Type TPN 230, Penetration probe up to 500°C, 2.1 mm diam., 100 mm length, silicone cable, Lemo	1 pz.
LLG07971106	Thermometers TFN-Series, Type TPN 120-100, Rod probe, NiCr-Ni, 1.5 mm diam., L 1000 mm	
LLG06254296	Thermometers TFN-Series, Type TPN 120-50, Rod probe, NiCr-Ni, 1.5 mm diam., L 500 mm	
LLG09908067	Thermometers TFN-Series, Type TPN 360, Surface probe up to 500 °C, 15 mm diam., 30 mm length, 1 m silicone cable, Lemo	1 pz.
LLG09908066	Thermometers TFN-Series, Type TPN 140, Rod probe, 3 mm diam., 185 mm length, Lemo	1 pz.



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