

**INTRODUCTION**

**N320** electronic thermometers are used for determining temperature in the most varied processes with a high precision level. Including a 3½-digit display, they are compatible with **Pt100** and **Pt1000** type sensors, **NTC** thermistors, or **J/K/T** type thermopairs, all of them including offset correction capabilities. Each sensor type has a specific temperature measuring range that should be observed by the user.

CE (European Union) and UL (United States and Canada) certifications compliant.



**FEATURES & SPECIFICATIONS**

- 3 ½ digit LED display
- Sensor offset adjustment
- Adjustable hysteresis
- Configuration is maintained even with energy failures
- Configurable password for configuration lock
- Long life silicone keys
- CE and UL Certified (USA and Canada)
- Front-panel with IP65 protection
- Resolution: 0.1°C or 0.1 °F ranging from -19.9 to 199.9°C/°F
- Temperature Measurement Range
  - NTC: -50 to 120 °C (-58 to 248 °F)
  - Pt100: -50 to 300 °C (-58 to 572 °F)
  - Pt1000: -200 to 530 °C (-328 to 986 °F)
  - Keypad-selectable thermocouples:
    - J Thermocouple 0 to 600 °C (32 to 1112 °F)
    - K Thermocouple -50 to 1000 °C (-58 to 1832 °F)
    - T Thermocouple -50 to 400 °C (-58 to 752 °F)
- Accuracy:
  - NTC: 0.6 °C (1.08 °F)
  - Pt100 and Pt1000: 0.7 °C (1.26 °F)
  - Thermocouple: 3 °C (5.4 °F)
- Sampling: 1.5 times per second
- Power supply: 100 to 240Vac/dc ±10%
- Frequency: 50~60Hz
- Consumption: 5VA
- Dimensions: 75 x 33 x 75 mm
- Panel cutout: 70 x 29 mm
- Weight: 120 g
- Operating temperature: 0 to 40°C (32 to 104 °F)
- Storage temperature: -20 to 60°C (-4 to 140 °F)

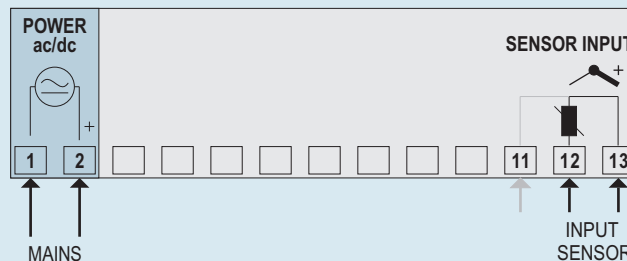
**OPTIONAL**

- Power supply: 12 to 24 Vdc

**APPLICATION**

- Freezers and cooling counters

**ELECTRICAL CONNECTIONS**



**HOW TO SPECIFY**

MODEL: **N320 - A - B**, where:

<b>A:</b> Sensor:	<b>NTC</b> or <b>Pt100</b> or <b>Pt1000</b> or <b>J/K/T</b> (Thermocouples)
<b>B:</b> Power supply:	<b>Blank</b> (100-240 Vac/dc) or <b>24V</b> (24 Vac/dc)



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