

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)

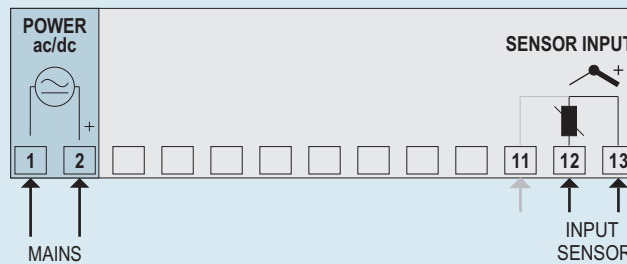
OPTIONAL

- Power supply: 12 to 24 Vdc

APPLICATION

- Freezers and cooling counters

ELECTRICAL CONNECTIONS



HOW TO SPECIFY

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

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