



Nest Learning Thermostat (4th gen) Technical Specifications Guide

1 Measurement based on thermostat display only.

Spec Category	
Dimensions and Weight ¹	Diameter: 3.9 in (98 mm) Depth: 1.1 in (29 mm) Weight: 5.7 oz (161.8 g)
Colors	Polished Silver Polished Gold Polished Obsidian
Display	2.7 inch (68 mm) diameter circular liquid crystal display (600 x 600 pixels)
Sensors	Soli sensor for Motion Sense (learn more at g.co/nest/sensors) Temperature Humidity Ambient light
Power	Power consumption Less than 1 kWh/month Power source HVAC system wiring Battery Built-in rechargeable lithium battery
Connectivity	Wi-Fi 802.11n (2.4 GHz / 5 GHz)
HVAC System Compatibility	The Nest Learning Thermostat (4th gen) works with most 24V systems, including gas, electric, oil, forced air, heat pump, and radiant. It can control: Heating 1, 2, and 3 stages (W1, W2, W3); Cooling 1 and 2 stages (Y1, Y2); Heat pump with auxiliary and emergency heat

	<p>(O/B, AUX, E); Fan (G, G2, G3); Power (C, RH, RC); Humidifier and dehumidifier (HUM, DEHUM); Ventilation (VENT).</p> <p>The Nest Learning Thermostat's * connector can accept one of these wires: W3, E, HUM, or DEHUM. The AQ+ and AQ- connectors can accept 1-wire or 2-wire VENT, HUM, or DEHUM.</p> <p>Use the compatibility checker (g.co/nest/works) to see if your system is compatible.</p>
Power Compatibility	<p>Patented Power Sharing technology</p> <p>The Nest Learning Thermostat (4th gen) is designed to work whether or not your home has a common ("C") wire.</p> <p>In limited cases (<1%), a C wire or Nest Power Connector may be necessary to ensure that your HVAC system can provide sufficient power to the thermostat in all conditions. See g.co/nest/cwire for details.</p> <p>Use the compatibility checker (g.co/nest/works) to see if you may need a Nest Power Connector or C wire.</p>
Smart Home and Voice Assistant Compatibility	<p>Works with Google Home and Matter</p> <p>Installation and setup requires the Google Home app.</p> <p>Control the Nest Learning Thermostat with Google Home and other Matter-enabled apps and voice assistants.²</p>
Accessories	<p>Trim plate to cover paint and drywall imperfections (included)</p> <p>Steel plate for installation on electrical box (included)</p>
Warranty	<p>2-year standard warranty for retail</p> <p>5-year standard warranty for HVAC Pros</p>

What's in the Box	Thermostat display Thermostat base Trim plate Steel plate Mounting screws and wiring labels Nest Temperature Sensor (2nd gen)
Sustainability	Battery contains 100% recycled cobalt ³ The Nest Learning Thermostat (4th gen) and Nest Temperature Sensor (2nd gen) bundle is made with at least 33% recycled materials. ⁴ Packaging uses 100% plastic-free materials. ⁵
Certifications	ENERGY STAR [®] certified thermostat
Languages	English French Spanish

2 Check csa-iot.org/members for more information on Matter-certified smart home platforms. To control Matter-enabled Google devices with a 3rd party platform or app, you may need a device that works as a Matter hub from the 3rd party manufacturer.

3 Cobalt is 15% of the battery weight.

4 Based on product weight.

5 Based on retail packaging (excluding adhesive materials and required plastic stickers) as shipped by Google. To meet the request of some retail partners, stickers and/or security tags are applied to some packaging variations and may contain plastic.

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