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# A New Generation of Temperature Transmitters Has Arrived



The New SERIES 5950 Isolated Temperature Transmitter Promises Better Connectivity and Stability Over the Now Discontinued SERIES 5900



The SERIES 5900 (isolated) temperature transmitter from Watlow<sup>®</sup> has been discontinued. But its replacement, the SERIES 5950, offers even more accurate and reliable temperature measurement—and also introduces a number of connectivity options that allow for a more efficient, real-time data gathering process.



## Connectivity is King

In today's industrial applications, connectivity is king. From precise temperature measurement and control to real-time data gathering for "Industry 4.0" applications, the ability to connect and program devices quickly and easily can be a real asset...or a challenge.

The new SERIES 5950 temperature transmitter allows for new connection options for easier integration into your processes, including on-board NFC (near-field communication) and Bluetooth® through the optional adapter. These open up the possibility, for example, of programming a SERIES 5950 unit with just a smartphone—no additional cables or tools required, and no loop power required either. Of course, those that prefer to use a USB cable, adapter and PC still have the option as well.



## Comparing and Contrasting the Generations

Besides more connectivity options, the SERIES 5950 promises greater performance, durability and stability compared to the now discontinued SERIES 5900, including:

- **Better input resistance:** 10,000Ω max., as opposed to 2,000Ω max.
- **Greater range of input:** -10 to +1000mV, as opposed to -10 to +500mV
- **Greater long-term stability:** In five years, variation of ±0.1°C or ±0.1% maximum
- **Faster update rate:** Updates every 150ms, as opposed to every 300ms

That said, many of the features that engineers have come to rely upon with the SERIES 5900 transmitters are still to be found in the new generation:

- Easy to install (fits directly into connection head), easy to program
- Full isolation from input to output; eliminates ground loops for high data integrity
- CE marked (compliant to electromagnetic interference)

Additionally, the new SERIES 5950 is directly compatible with the SERIES 5900 with minor output terminal changes. (See the wiring images for replacement information.)

For more detailed specifications, please refer to the [comparison guide](#) located on Watlow.com.

## End of Life, but New Opportunities

As technology advances, it is common for older legacy parts and devices to be discontinued. While no new replacement parts will be manufactured, we are confident that the new SERIES 5950 temperature transmitter will open up new possibilities for your operations.

***Further information is available at: [www.watlow.com](http://www.watlow.com)***

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### Wiring Replacement

