

I AM THE NEW GENERATION

Temposonics® R-Series V

STAY AHEAD OF TECHNICAL TRENDS.

TempoGate Smart Assistant

- Supports setup of R-Series V in the application
- Provides additional status information for diagnostics of the sensor such as:
 - current sensor status
 - internal temperature of the sensor
 - total distance travelled by the position magnet
 - total operating hours
- Transfers the additional information via OPC UA
- Is designed for integration in control cabinet
- Displays the user interface on your smartphone, tablet, or computer via an integrated Wi-Fi access point
- Allows connection to any R-Series V sensor (up to 24 sensors simultaneously)



I AM BACKWARD COMPATIBLE.

SAVE YOUR TIME WITH MTS SENSORS...

Benefit from the advanced features of R-Series V, as no mechanical and electrical adjustments are required for integration.

R-Series V sensors are backward compatible:

- Proven mechanical connections and designs
- Proven electrical connections and designs
- Well-known high performance and quality



I AM RELIABLE IN YOUR APPLICATION.

SAVE YOUR TIME WITH MTS SENSORS...

Use R-Series V in harsh environment without further actions on your end and ensure high quality of your applications.

R-Series V sensors are more robust than ever:

- Increased shock and vibration resistance
- Extended operating temperature range
- Larger voltage supply range



R-Series V SSI (Synchronous-Serial Interface)

...offers high accuracy

The sensor is characterized by a very stable position signal with a minimum resolution of 0.1 μm . This allows the sensor to offer a very precise position measurement for your application.

...is ready for Industry 4.0

Via TempoGate smart assistant or TempoLink smart assistant additional information of the sensor can be output in parallel to the position data during operation.

- Transfer of additional information is independent from the position data
- No adjustment of the transferred position data required
- Setting up the sensor in your application is easy with the TempoGate smart assistant or TempoLink smart assistant.



I AM MORE POWERFUL.

SAVE YOUR TIME WITH MTS SENSORS...

High accuracy of R-Series V ensures high performance of your application.

R-Series V sensors are more powerful than ever:

- Minimum resolution 0.1 μm^*
- Synchronization for precise position measurement in time-critical applications
- Multi-position measurement of up to 30 magnets (position and velocity)*



*output dependent

KEEP EVERYTHING UNDER CONTROL.

TempoLink Smart Assistant

- Supports setup of R-Series V in the application
- Provides additional status information for diagnostics of the sensor such as
 - current sensor status
 - internal temperature of the sensor
 - total distance travelled by the position magnet
 - total operating hours
- Is designed for mobile use on-site
- Displays the user interface on your smartphone, tablet, or computer via an integrated Wi-Fi access point
- Allows connection to any R-Series V sensor



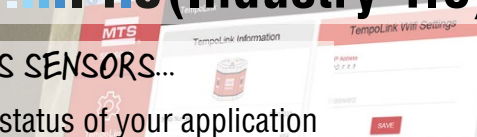
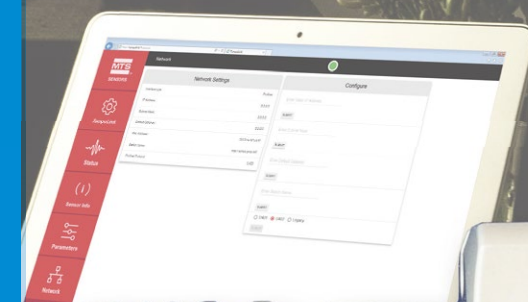
I AM READY FOR... I4.0 (Industry 4.0).

SAVE YOUR TIME WITH MTS SENSORS...

Detailed information about the status of your application helps to identify optimizations in the process and create predictive maintenance schedule.

R-Series V sensors are smarter than ever:

- Smart adaptation to various applications
- Additional sensor information available
- Communication via power supply during operation



The advanced features and the new, smarter functions of the R-Series V sensors as well as the TempoLink Smart Assistant and the TempoGate Smart Assistant will make your existing and new applications future-proof and ready for Industry 4.0.

R-Series V

Available models

- Rod style
- Profile style

Additional models coming soon.

Available interfaces

- Profinet with RT (Real Time) and IRT (Isochronous Real Time)
- EtherNet/IP™ with CIP Sync (Common Industrial Protocol) and DLR (Device Level Ring)
- SSI (Synchronous-Serial Interface)

Additional outputs coming soon.

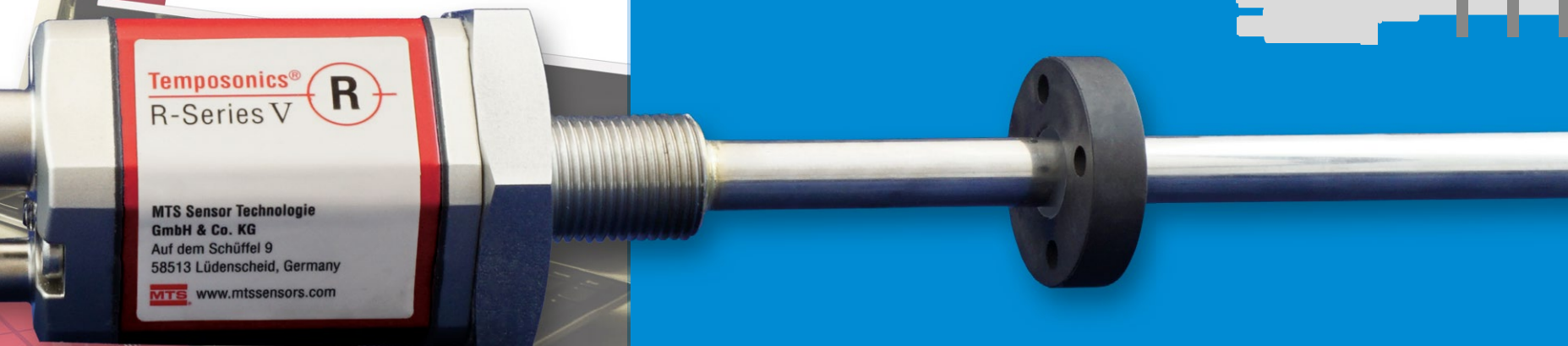
37%

smaller sensor housing (EtherNet/IP™ & Profinet) allows more **compact construction**



33%

increase in the number of positions that can be measured simultaneously means **fewer sensors** are required for multi-position measurement



SAVE YOUR TIME FOR THE THINGS YOU LOVE.

"No matter what the issue is, at MTS Sensors I always have a personal contact person who gives me the right information directly and without delay. And everyone knows how pleasant this can be, saving time and nerves."

(G. Siempelkamp GmbH & Co. KG)

"MTS Sensors employees are characterized by a high degree of application-oriented expertise. When integrating the position sensors, they also support the mechanical and electrical optimization of the system and no place is too far to provide personal support. This saves us time and increases our productivity."

(Bosch Rexroth AG)

"As a manufacturer of machines and plants for the steel industry, we rely on absolutely reliable and robust technologies that can withstand our harsh environmental conditions. Thanks to the high quality and durability of MTS Sensors' sensors, we don't have to worry about that. Always reliable, they allow smooth production."

(SMS group GmbH)

"As a trendsetter in automation technology, Festo stands for top quality and customer-oriented innovation. In order to drive these developments forward, it is essential to work together with the right companies. We have a long-standing technology partnership with MTS Sensors. Together we work on innovative products and trend-setting solutions for our customers."

(Festo AG & Co. KG)

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Document Part Number:
551980 Revision D (EN) 03/2019

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