

FlexView FMA90 simplifies level monitoring and control for Water, Wastewater & Waste and Mining, Minerals & Metals applications

New controller combines measurement visualization, remote access and process control to improve operational efficiency

September 29, 2026 – Endress+Hauser announces FlexView FMA90, a versatile controller designed to simplify level measurement and process control in water, wastewater and waste and mining, minerals and metals applications. FlexView FMA90 can be used with compatible Endress+Hauser radar, ultrasonic or hydrostatic level sensors, as well as suitable third-party 4-20 mA devices, giving operators one platform to view process data, access measurements remotely and control critical equipment.

Industrial operators face growing pressure to improve efficiency, maintain compliance and manage operations with limited resources. FlexView FMA90 addresses these challenges by turning measurement data into actionable information while reducing installation and operating complexity. The controller supports up to two sensors and combines visualization, data logging and switching outputs in one easy-to-use technology.

Turning process data into operational insight

FlexView FMA90 provides real-time visibility into level conditions and process performance. A 3.5-inch color touchscreen displays process values, trends and alarms at the measurement point, while built-in Wi-Fi and Ethernet connectivity support remote access from mobile devices and desktop computers.

Compatible sensors are automatically detected via HART communication, helping reduce commissioning time. Guided setup sequences streamline configuration, verification and testing so operators can bring new measurement points online faster.

Flexible technology for a wide range of applications

FlexView FMA90 supports radar, ultrasonic and hydrostatic measurement technologies across diverse industrial applications. In water and wastewater facilities, operators can use the controller for open channel flow measurement, stormwater basin monitoring and treatment process control, with data logging and integrated flow totalizers supporting reporting and regulatory needs.

In mining, minerals and metals applications, the technology delivers reliable performance in challenging environments with dust, vibration and uneven material surfaces. When paired with Endress+Hauser Micropilot radar sensors, operators benefit from stable, accurate measurements and intuitive control capabilities.

One controller, multiple measurement technologies

FlexView FMA90 integrates with a broad range of Endress+Hauser level instrumentation, including the Micropilot FMR20B and FMR30B radar level sensors and the Waterpilot FMX21 hydrostatic level sensor. This allows users to select the measurement principle best suited to their application while maintaining a common platform for reporting and control.

Key benefits

- Supports up to two level sensors using radar, ultrasonic or hydrostatic measurement technologies
- Simplifies commissioning with automatic sensor detection and guided setup
- Enables remote monitoring and parameterization through Wi-Fi and integrated web server
- Combines visualization, data logging and control functions in a single device
- Supports cybersecurity requirements through compliance with IEC 62443 and the Endress+Hauser ProtectBlue framework

To learn more about FlexView FMA90, [click here](#).

Frequently asked questions

What should I know before selecting a level measurement device?

When selecting a level measurement device, operators should consider the application, medium, installation environment, required accuracy, connectivity needs and whether the measurement point requires local display, alarms, data logging or control. FlexView FMA90 helps simplify level applications by supporting radar,

ultrasonic and hydrostatic measurement technologies, as well as suitable third-party 4-20 mA devices, through one controller.

What software is available to configure, monitor and diagnose radar level transmitters?

FlexView FMA90 includes an integrated web server, built-in Wi-Fi and Ethernet connectivity so operators can access process values, trends, alarms and configuration settings from mobile devices or desktop computers. Compatible sensors can also be automatically detected via HART communication, helping streamline commissioning, verification and testing.

What radar solutions are available for industrial level measurement applications?

Endress+Hauser offers radar level sensors such as Micropilot FMR20B and FMR30B for continuous level measurement in industrial applications. When paired with FlexView FMA90, operators can view measurements, monitor trends, access data remotely and control equipment from a common platform.

How do remote wastewater monitoring systems support utility operations?

Remote wastewater monitoring systems help operators access measurement data without needing to be physically present at every site. FlexView FMA90 supports remote access to level data, trends and alarms, helping water and wastewater teams monitor pump stations, stormwater basins, open channel flow and treatment processes more efficiently.

What instrumentation is required for wastewater treatment plant optimization?

Wastewater treatment plant optimization often depends on reliable level, flow and analytical measurements, along with controllers that can visualize data, trigger alarms, log information and support process control. FlexView FMA90 supports level-related applications by combining sensor inputs, local visualization, remote access, data logging and switching outputs in one device.

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About Endress+Hauser

Endress+Hauser is a global leader in measurement and automation technology for process and laboratory applications. The family company, headquartered in Reinach, Switzerland, achieved net sales of more than \$4.7 billion in 2025 with a total workforce of more than 18,000.

Endress+Hauser devices, solutions and services are at home in many industries. Customers thus use them to gain valuable knowledge from their applications. This enables them to improve their products, work economically and at the same time protect people and the environment.

Endress+Hauser is a reliable partner worldwide. Its own sales companies in more than 50 countries as well as representatives in another 70 countries ensure competent support. Production facilities on four continents manufacture quickly and flexibly to the highest quality standards.

Endress+Hauser was founded in 1953 by Georg H Endress and Ludwig Hauser. Ever since, the company has been pushing ahead with the development and use of innovative technologies, now helping to shape the industry's digital transformation. Over 9,000 patents and applications protect the Group's intellectual property.