



## New Feature Announcement

# PROFIBUS-DP

Available for the 454FTB, 454FTB-WGF, 504FTB, and 534FTB flow meter product lines

The B-Series supports PROFIBUS-DP (Decentralized Periphery), which represents the majority of PROFIBUS-installed bases. PROFIBUS-DP features the optimum combination of data throughput, ease of installation and service, diagnostic capabilities, and error-free transmission. This option is dedicated to time-critical communication between automation systems with high-speed data communication – up to 12 Mbits/sec. PROFIBUS is based on RS-485 communication.

Profibus communication is used in:

- Food & Beverage industry
- Wastewater treatment plants
- Boiler control schemes
- Turbine control systems

The B-Series PROFIBUS-DP flow meter includes an interface board using the Profichip VPC3 ASIC to handle the message and address identification, the data security sequences, and the protocol processing for PROFIBUS-DP.

- Widely used with sensor and actuator pairings
- Allows multiple masters per network
- Excellent noise immunity
- Standardized design
- Modem friendly protocol
- Siemens-supported and preferred protocol

For more indepth information read:

- [Profibus and Modbus: A Comparison](#)
- [Introduction to Profibus DP](#)
- [Tips for Troubleshooting Profibus DP](#)

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## Ordering the PROFIBUS-DP Feature

To order the Profibus-DP feature:

454FTB	Feature 11, Option K for Profibus-DP communication
454FTB-WGF	Feature 9, Option 8 for Profibus-DP communication
504FTB	Feature 9, Option K for Profibus-DP communication
534FTB	Feature 9, Option K for Profibus-DP communication
K-BAR 2000B	Feature 5, Option K for Profibus-DP communication

To access the Profibus-DP feature using the Product Configurator in the Kurz online Pricing Program, choose **Profibus-DP** for the Analog, Digital Inputs/Outputs Communication:

Analog, Digital Inputs/Output Comm (F11)

(K) Profibus DP, Two 4-20 mA Isolated Outputs, two solid-state relays, two digital inputs, one non-isolated

-Select Analog, Digital Outputs and Comm-

(B) Two 4-20 mA Isolated Outputs.

(C) Two 4-20 mA Isolated Outputs, two solid-state relays, two digital inputs, one non-isolated 4-20 mA Input.

(E) Hart Communications Interface, One 4-20 mA Isolated Outputs, two solid-state relays, two digital inputs, one non-isolated 4-20 mA input

(H) Hart Communications Interface, Two 4-20 mA Isolated Outputs, two solid-state relays, two digital inputs, one non-isolated 4-20 mA input

(K) Profibus DP, Two 4-20 mA Isolated Outputs, two solid-state relays, two digital inputs, one non-isolated 4-20 mA input

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