

KEEP THINGS RUNNING SMOOTHLY

The Flow Performance Monitor for
precise seeding technology

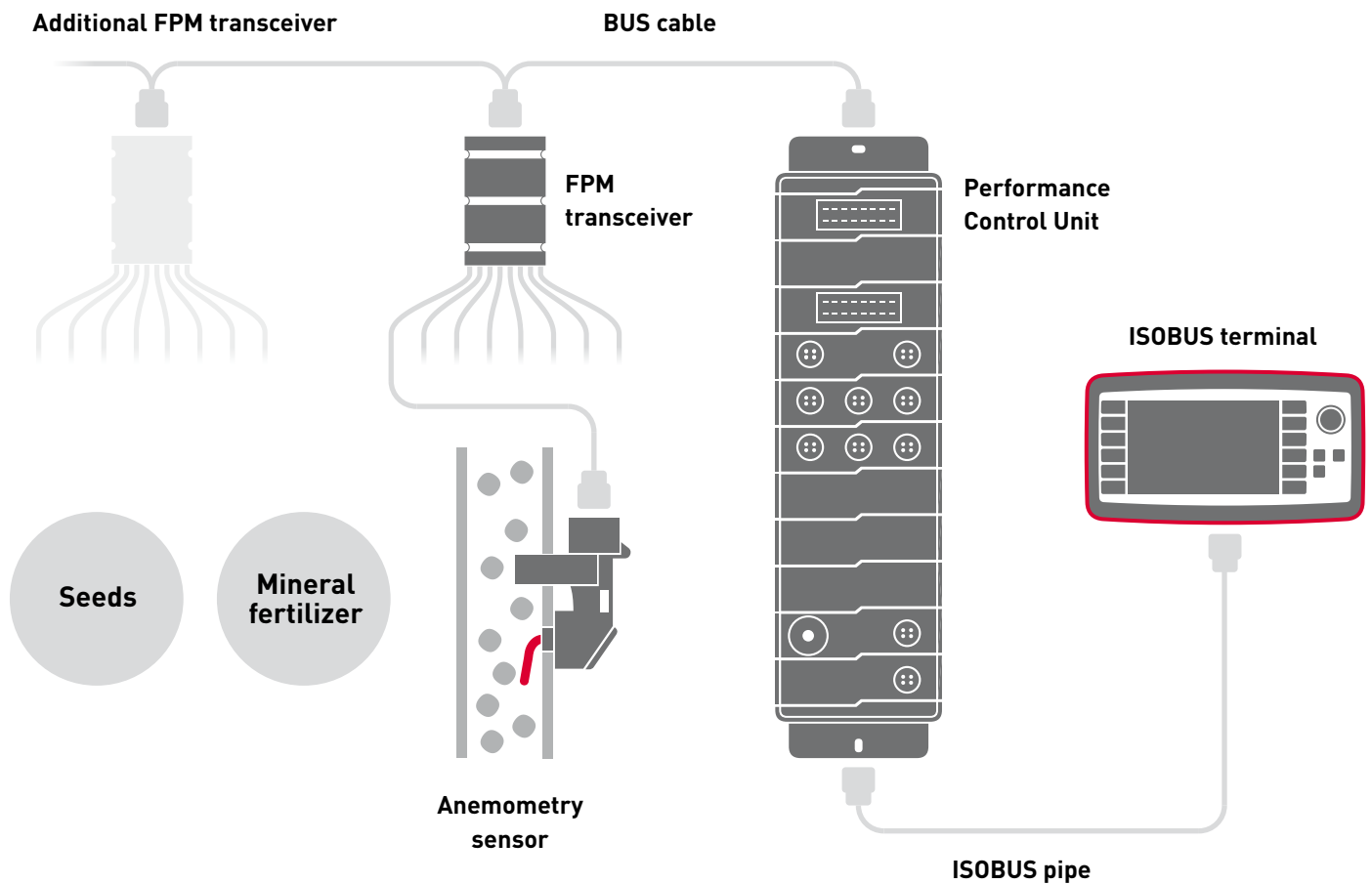


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ENGINEERED TO WORK



INNOVATION WITH INSTINCT

Everything under control with
the innovative ISOBUS-compatible
Flow Performance Monitor (FPM)



Pneumatic drilling machines that can spread seeds and mineral fertilizer in parallel are growing in market importance.

Our innovative Flow Performance Monitor measures the flow of air in seed and fertilizer hoses on pneumatic seed drills. The sensor works with ISOBUS-compatible electronics and is easy to install in any pneumatic drilling machine.

The FPM is optimized for retrofitting onto existing machines, and can be integrated into the hoses without cutting them through – simply insert the hard metal measuring tip through a small hole in the hoses. The hard metal tip of the Flow Performance Monitor is resistant to mechanical wear and corrosion, and thus unaffected by inorganic fertilizer. As such, the system can also be used for monitoring fertilizer hoses on pneumatic drilling machines.

Design:

The sensor tip is made of wear-resistant hard metal. The sensor is mounted in the seed line, where it monitors the air flow. If the seed or fertilizer line becomes clogged, the sensor detects this immediately and displays the error directly on the display in the driver's cab so the clogging can be cleared.

Advantages:

- **Long lifetime thanks to sturdy design**
- **Suitable for monitoring pneumatic drilling machines (seeds and fertilizer)**
- **Easy retrofitting, minimal installation work**
- **ISOBUS-compatible**
- **Compact design**

Technical data:

One control system can monitor up to 384 outlets.



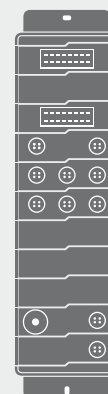
Anemometry sensor

The anemometry sensor monitors the air flow in a hose. The measured signals are transmitted to the FPM transceiver.



FPM transceiver

The FPM transceiver receives the signals from the FPM sensor and transmits them to the Performance Control Unit (PCU).



Performance Control Unit

The PCU is the job computer and the central element of the Flow Performance Monitor. It evaluates the received measurement signals. If a blockage is detected, the message is sent to the terminal. Furthermore, it implements user input.

What we offer

We provide solutions in the following sectors:
AGRICULTURE, BIOGAS, INDUSTRY,
TRANSPORTATION, WASTE WATER



Our broad range of products and services

- Consulting and service
- Data management and control technology
- Disintegration technology
- Individually tailored solutions for special applications
- Pumps and pump systems
- Solid matter feeders
- Solids reduction, separators and mixers
- Spreading technology
- Supply, disposal and cleaning

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