



▶ Covers the standards,
features robustness

KROHNE

▶ **IFC 050 – The long term reliable converter for basic applications in the water and wastewater industry**

In the future, water will become a rare resource. Therefore reliable measurement of water flows is extremely important even under difficult environmental conditions where robust devices are needed. In addition, different requirements call for different output signals.

This is where the new electromagnetic converter IFC 050 comes into action. In combination with the OPTIFLUX and WATERFLUX series it completes the well-known sensor technology with new features, making it applicable for any kind of water and wastewater metering tasks.

The IFC 050 fulfills all industry specific requirements. Its electronics are protected against condensate with an extra coating, so it can even be used in tropical areas. The housing is protected with dual-layer painting, keeping it safe from aggressive fluids such as salt water. And of course it is very sturdy for outdoor use thanks to its shock resistance!



IFC 050 Display version / Blind version

Intelligent modularity to suit needs and fulfill requirements

When it comes to selecting a device for your metering task, the IFC 050 offers a variety of options.

The converter can be delivered as compact or wall mounted, with a display or as a blind version. And there are even more features available to suit your needs, e.g. a Modbus system.

The combination of the IFC 050 with the OPTIFLUX and WATERFLUX sensor series covers a variety of basic applications in the water and wastewater industry:

- OPTIFLUX 1050 for e.g. fertilizer distribution, sprinkler/irrigation systems, firefighting systems, water distribution for buildings, offices and recreation facilities
- OPTIFLUX 2050 for e.g. from raw water, wastewater and seawater to cooling water measurement, leak detection
- WATERFLUX 3050 for e.g. from potable water to ground and surface water measurement, leak detection, installation without the need for straight inlet and outlet runs.

Multiple outputs, incl. active pulse output and RS485 Modbus

IFC 050 is an easy to use converter with basic output signals. The blind version is the perfect option in any situation where display readings are not required and the menu is permanently set. This converter has standard Basic I/O with HART and active pulse output (optional Modbus RS485).

Even triple output is possible:

- Current output 4-20 mA for process input
- Modbus output for communication with microcontrollers, PLCs and Pc's
- Active pulse output to trigger a counter.

For the blind version a separate display can be temporarily connected to configure the device. The active pulse output can also trigger devices that have no own power supply, such as an electromechanical counter.

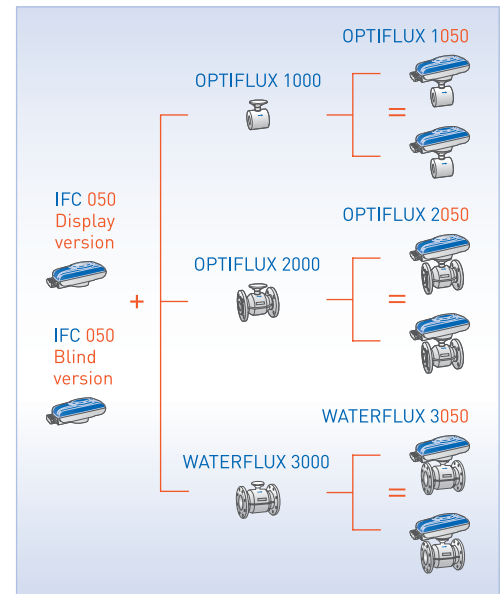
Highlights:

- For various water and wastewater applications
- Multiple outputs: Active/Passive pulse, RS485 Modbus, 4...20 mA, HART
- Shock resistant
- Available as compact and wall mounted version
- Highly resistant housing against moisture and salt
- Display and blind version
- Accuracy 0.5 %
- Excellent price-performance ratio

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Combinations of the IFC 050 with the OPTIFLUX and WATERFLUX sensor series



Multiple outputs of the IFC 050

