RISONIC *compact*

Non-invasive flow measurement has never been easier

Your Benefits

- price-/performance ratio
- precise, robust flow measurement

- fast installation
- easy commissioning
- pre-set path configurations
- web-interface and wizard

- two paths and pipes
- flexible on pipe-materials

- IT- and Cyber security:
  - latest interfaces and protocols
  - encrypted protocols only
  - built-in firewall
  - integration into plant systems
  - data logger feature
  - remote access control/monitoring
  - IoT and Rittmeyer RITUNE capable

- No drift
- No re-calibration
- No de-watering
- No pipe-cutting

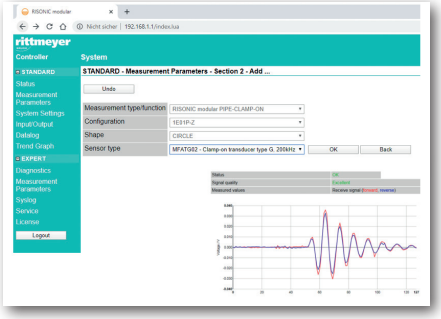
Rittmeyer accuracy and reliability – at efficient cost

A century of experience combined in a flow measurement device to ensure economical usage of raw and potable water – the source of all life.
The latest technology in non-invasive flow measurement is now more accurate, reliable and cost-efficient to serve the various needs in the water and energy supply industry.

RISONIC *compact* is designed to meet the highest expectations of users. Rittmeyer AG once again commits to uncompromising product quality with installation and commissioning simplicity allowing seamless implementation of flow meters throughout plant processes.

Installations of Clamp-on transducers have never been easier. Unique mounting concepts with magnetic frames allow for either a temporary or permanent fix (by use of adhesive or stainless steel-straps). Watertight transducer covers are also available for rugged installation environments.

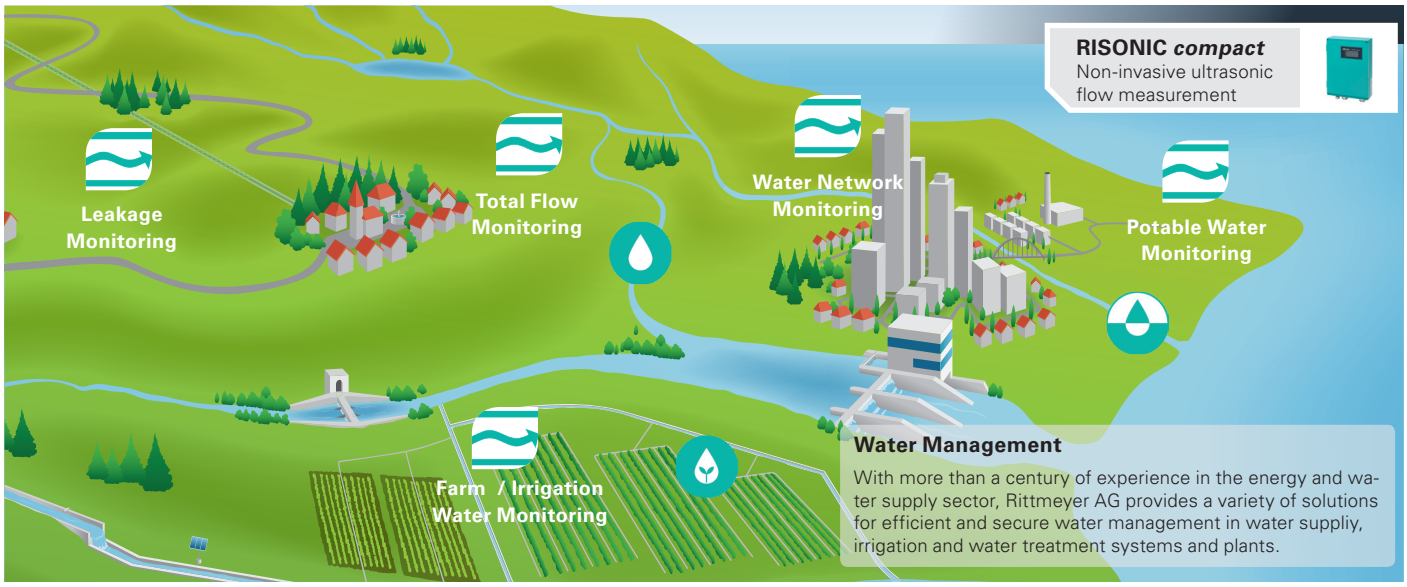
The measuring principle is based on the proven and highly accurate ultrasonic transit-time method, whereby the system measures and determines the path velocities and computes the flow rate and volume bi-directionally.



Web-interface and advanced diagnostics

RISONIC compact

NO MORE DOUBTS towards non-invasive flow measurements



Non-invasive ultrasonic transit-time flow measurement systems have become mainstream in the water industry.

Rittmeyer clamp-on products provide accurate and reliable measurement with a simple procedure for both, installation and commissioning.

As such, RISONIC *compact* features a seamlessly integrated web-interface (known from RISONIC *modular*), which allows for a quick wizard-based configuration e.g. via the WIFI network.

Enhanced diagnostic functions support users and provide guidance for setting up a flow measurement with best possible accuracy.

Simplicity of products alone is not enough. Return on investment is of utmost importance. With its protective housing and water tight sensor covers, RISONIC *compact* is built to last in rugged installation environments.

Specifications

Pipe size	0.08 m … 3 m
Pipe wall thickness	1 mm … 60 mm
Accuracy	Up to +/- 1%
Temperature compensation	Built-in or with optional external PT100 sensor
Flow velocity	± 0 … 20 m/s bi-directional
Measuring paths	1 or 2 paths
Measurements sections	Up to 2 sections
Media	Raw / potable water
Pipe material	Supports various materials
Protection degree	Housing IP66 (IP68 optional) Transducers IP65 / IP68 with protective covers
Communication interfaces and protocols	Ethernet port 10/100BaseT, WIFI 802.11a/b/g/n/ac, 3G/4G/5G cellular modem option, USB host interface, Modbus RTU+TCP, IEC 60870-5-104 optional: PROFINET / PROFIBUS, HART®, M-Bus, CAN, BACnet
Datalogger	8 GBytes
Discrete interfaces	1x analogue output 0...20 mA, 4x digital outputs (switchover contacts/solid-state relays)
Power supply	19.2 … 60 VDC and 90 … 264 VAC
Certificates	CE, RoHS, REACH, WEEE

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