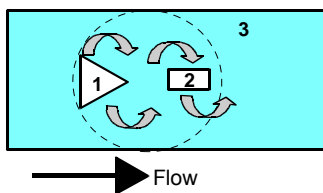


Product Information

Function and benefits

- High precision
- High overload protection
- No moving parts
- Fast installation and removal with clamping assembly
- Various connections in the modular system

A narrow triangular body (1) which covers the entire cross-section of the measurement tube generates a vortex in the flow of the medium (Kármán vortex, vortex effect). The frequency of the vortex is proportional to the flow and is detected with a Piezo sensor (2), which is positioned after the triangular body. The entire unit, vortex body and detector are designed as an insert (3) and are inserted into the tube. As a result, the entire measuring unit can be quickly disconnected from the measuring tube.



A vortex flow meter has intrinsically safe behaviour. If the vortex is interrupted due to soiling, a defect is always detected.

Note:

Vibrations in the frequency range of the sensor should be avoided in order to prevent faults.

On the spot programming options

**LABO-CF.-
I / U / F / C / S**



Pulse programming on pin 2:
Apply the supply voltage level for 1 second and save the current value as the final value (for analog outputs) or as a switching value (for limit value switches).

OMNI-CF..



Programming with magnet ring:
With the aid of the display and of the movable ring, numerous parameters can be conveniently set on the spot.

FLEX-CF..



Programming with magnet clip:
Hold the magnet to the marking for one second and save the present value as the final value (for analog outputs) or as a switching value (for limit value switches).

ECI-1



If required, all parameters can be set at any time on all intelligent sensors, using the ECI-1 device configurator.

Product Information