

# Nivus GmbH - Cross Correlation Technology Flow Sensors

A viable alternative to Magnetic Flowmeters in Waste Water applications

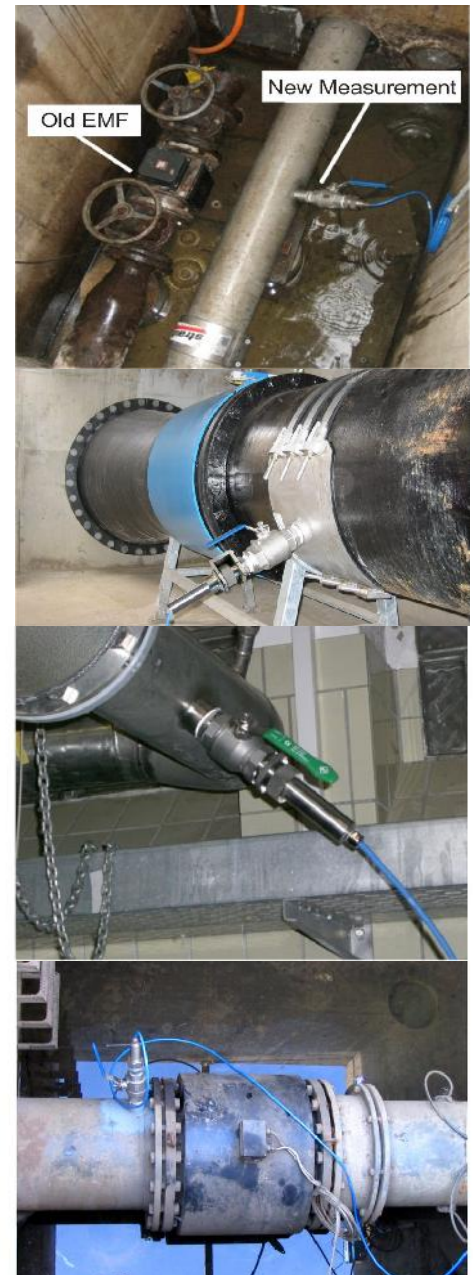


Nivus has been manufacturing its patented Cross Correlation sensors in Germany for over 10 years, with thousands installed in applications across the globe.

Autech Control Group now introduces this innovative technology to Australia, for flow detection in full and partial filled pipes, and also channels, rivers etc.

Benefits of the Nivus solution include;

- Two Sensors cover 100mm to 4m pipe sizes.
  - o Maintaining spares is now easy and cost effective.
- The Cross Correlation Sensor is designed specifically for Waste Water and does not need site "calibration".
  - o Save time and money by eliminating site calibration.
- Measured flow accuracy is unaffected by dry weather or major storm events.
  - o The Cross Correlation sensor creates a digital pattern of the flow and is not reliant on electromagnetic fields, conductivity, frequency shift etc.
- Product lead time is 3-4 weeks, even for a 4m sensor.
  - o Do those rush projects to replace faulty EMF's in a matter of weeks not months.
- Product installation is measured in hours not days.
  - o Reduce project costs dramatically.
- Product installation can be achieved by one technician due to the sensor low weight of <2kG, compared to >3,000kG for a 2m Electro Magnetic Flowmeter.
  - o Free up resources for other projects.
- Installation OH&S issues are greatly reduced due to the absence of large heavy objects, multiple workers and cranes.
  - o Improve the safety of your working environment by eliminating risk.

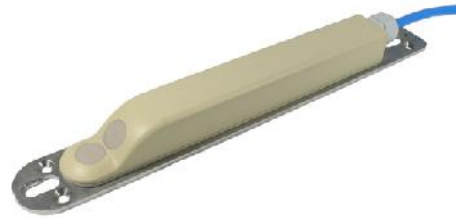


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A viable alternative to Magnetic Flowmeters in Waste Water applications



- Reduce your carbon footprint with the Cross Correlation sensor, compared to hundreds or thousands of kilograms of steel and copper in the EMF.
  - Let your business lead the way in carbon reduction.
- Replace faulty Electro Magnetic Flowmeters with the Nivus Cross Correlation sensor without interrupting processes or service delivery.
  - The sensor can be inserted by hot tapping through a 1½" Valve.
- Measure flow velocities down to 0.05m/s
  - Obtain flow values from gravity fed partial filled low flows

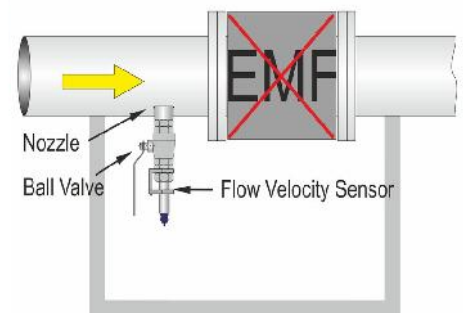
Nivus Cross Correlation Sensor Applications include:

- Sewer channel flow measurement
- Sewer pump flow measurement to measure efficiency
- Sewer pipe flow measurement to replace faulty EMF
- Return sludge flow measurement
- Open channel flow measurement using a pontoon
- Stormwater flow measurement
- Flow in Irrigation Channels, and many others

Use with Full Pipes, Partial Filled Pipes, Open Channels, Rivers, Irrigation Water, Recycled Water etc

**Try a NIVUS Cross Correlation Sensor  
in your application.**

**Call us to discuss your project, and if  
you are not happy with the result  
after 3 months, return the system  
and pay nothing!**



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