

**DATA SHEET**

**+GF+ Signet 2552  
Stainless Steel Insertion MagFlow Water Meter**

**“ECan Approved”**

**for water consent monitoring**



The Signet 2552 magmeter from Georg Fischer features all stainless steel construction to provide rugged long-term reliability and minimal maintenance costs.

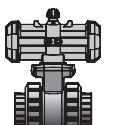
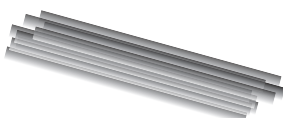
Versatile and easy to install, it delivers reliable flow rate measurement in a wide range of pipe sizes from DN50 (2 inch nominal bore) to DN1200 (48 inch nominal bore).

This robust sensor is suitable for use in harsh environments. It has no moving parts to wear out, and accurately measures flow in fluids containing a high content of particles, making it an excellent choice of sensor even if your bore water has a lot of sand in it.

The installed cost of a insertion style water meter is less than when you use an in-line full bore meter, and the difference in installed cost gets more economical the bigger the pipe size!

An insertion style sensor is the best choice if you are fitting a water meter to existing head works, as it can be installed in PVC or steel pipe by just using a tapping saddle or a welded steel threaded fitting.

On-site calibration is quick and simple, and performance testing or troubleshooting is possible in real time using a configuration tool and computer. The GF Signet 2552 easily meets the accuracy required by ECan and can interface directly with dataloggers and telemetry systems. For full technical specifications, please refer overleaf.



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**Technical Specifications:**

**Pipe size range:** DN50 to DN1200 (2 inch to 48 inch).

**Flow range:** Minimum 0.05 m/s, Maximum 10 m/s.

**Accuracy:**  $\pm 2\%$  of measured value where the fluid is water at ambient temperature and the appropriate upstream and downstream distances are observed, with correct insertion depth and there is a fully developed flow profile.

**Linearity:**  $\pm 1\%$  of reading.

**Repeatability:**  $\pm 0.5\%$  of reading @ 25 deg C.

For full specifications and further details of this sensor please visit: <http://www.gfsignet.com/products/fs2552.htm>

This sensor requires 24VDC power and is compatible with the GF Signet 8550 flow transmitter for local flow rate display. Alternatively, it can be directly connected to a data logger using the 4-20mA output signal.

Asmuss Plastic Systems Limited is a specialist supplier of industrial grade piping and associated equipment. We are part of the Asmuss Group of companies, which is still privately owned and has been trading since 1920.

We specialise in supplying piping systems for water reticulation, water and waste water treatment plants, chemical processing, as well as industrial and commercial applications. We have a Signet product specialist based in the South Island, who can advise on how to achieve the best results using this sensor.

Check our website: [www.plasticsystems.co.nz](http://www.plasticsystems.co.nz) for more details of our company, or contact us: phone: **09 477 2320**, fax **09 477 2328**, email: [sales@plasticsystems.co.nz](mailto:sales@plasticsystems.co.nz)

**Plastic Systems is an ECan Authorised Water Meter Equipment Supplier**

