



PROCESS INSTRUMENTATION

# Is your SITRANS FM MAG meter **performing at its best?**

The SITRANS FM Vericator along with Siemens internal verification capabilities provide an unparalleled level of reliability in on-site verification

[usa.siemens.com/mag](http://usa.siemens.com/mag)

**SIEMENS**



There are many reasons to verify the performance of your SITRANS FM electromagnetic flow meter. Whether you need to ensure that the meter's accuracy complies with local agency requirements, provide a customer with a certificate of verification for billing purposes, or simply perform some troubleshooting, the SITRANS FM magmeter family provides options for both internal verification or independently certified external verification.

Siemens has always offered certified and traceable verification of magmeter performance using the Siemens Vericator. This reliable and easy-to-use on-site verification system performs a variety of fully automated tests to check:

- Insulation of the entire flow meter system, including cables
- Magnetic properties of the sensor
- Signal converter gain, linearity and zero point
- Signal converter digital and analog output

And, once testing is complete, the Vericator can provide you with printed reports certifying all results.

### Wide range of products

The following SITRANS FM electromagnetic sensors can utilize the Siemens Vericator for independent verification when combined with a MAG 5000 or 6000 transmitter (polyamid and rack mount configuration only):

- MAG 1100
- MAG 1100 F
- MAG 3100
- MAG 3100 HT
- MAG 3100 P
- MAG 5100 W

### Siemens FM magmeter internal verification

For those times when you want to make a quick "on the spot" verification of your magmeter's performance, Siemens now offers an internal verification capability. In conjunction with the

SITRANS PDM software, which can also be used for configuration, you can now generate a verified qualification certificate that analyzes key diagnostics and measurements to assure that your Siemens magmeter is working properly.

This quick and easy process can be used with all of the sensors and transmitters previously mentioned, as well as with our MAG 6000i industrial mag transmitter, by utilizing the HART communication protocol. As long as the transmitter has the HART communication option, it will provide the internal verification regardless of how long it has been in service.

Internal verification can also be performed on the MAG 8000 battery-powered magnetic flowmeter.

### Take advantage of our versatility

While nothing replaces the security of an externally certified verification of your magmeter's health and operating status, having a supplier who can provide you with both internal and external verification offers you the convenience of flexible checks, the ability to follow up with a comprehensive confirmation, and the peace of mind that comes from knowing that your magmeter has been independently certified.

### Legal Manufacturer

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