ABB Measurement Products On-site Service for MagMaster flowmeters

Test Inline, Stay Inline with CalMaster Service

Why is on-site MagMaster flowmeter calibration important?

It is essential to carry out periodic tests to ensure that performance has not deviated significantly from specified tolerances. This is especially important for custody transfer or billing applications where significant cost can be avoided or income can be generated.

ABB has developed a unique in-situ verification tool — $CalMaster^{TM}$ — to enable these tests to be carried out without having to remove the MagMaster flowmeter.

What are the benefits of ABB CalMaster Services?

Process Optimization – Reduce raw material cost, increase process speed & data accuracy

Quality – Calibration certified and traceable to National Institute of Standards & Technology (NIST)

Safety – Regular calibration, consistent intervals and record keeping help minimize accidents

Cost Reduction – Plug the knowledge gaps, reduce training and maintenance costs. No need for expensive calibration equipment or training for employees.

Regulatory Compliance – Independent verification of calibrations, record keeping & calibration to NIST standards

NPDES Compliance – Meets EPA minimum annual requirement for discharge flowmeters at municipal water treatment facilities

Custody Transfer – Improved accuracy, independent verification of calibration

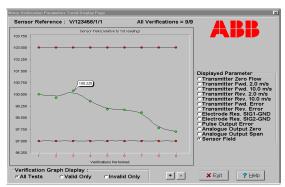
Traceability – Annual certification of CalMaster System insures complete documentation for regulatory and ISO compliances.

"The greatest value from your capital investments can only be achieved if optimal measurement performance of field devices is maintained."



What is MagMaster flowmeter Verification Service?

In-situ flowmeter verification of calibration of installed MagMaster flowmeters using a considerably lower cost option to full removal and wet calibration of flowmeter. An electronic fingerprint is made which enables in-situ verification to +/- 1% accuracy using ABB's unique CalMaster technology.



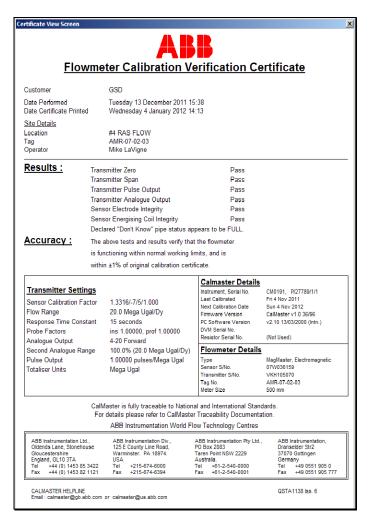
Sample screen for condition monitoring parameters

CalMaster features ...

- Full system function check
- Stores calibration data on encrypted data base
- Long term trending analysis
- Advanced warning of possible system failure
- Parameter monitoring ... and more

On-Site Service for MagMaster

Certificate of Calibration provided for each MagMaster flowmeter at every service.



Calibration certificate provided with each MagMaster flowmeter



What can ABB Service do for you?

Contact ABB Service to...

- Schedule a service appointment
- Commission you new instrumentation (Extend your warranty 12 months)
- Discuss a service contract
- Schedule a site assessment of your current instrumentation
- Schedule training on your instrumentation
- Discuss bundling services, repairs and technical support

Contact ABB Customer Service Center at 1-800-HELP-365 (1-800-435-7365)

- Press 3 for "Instrumentation or process analytics"
- Then press 1 for "On-site Service"

Or contact your ABB representative or your ABB single-point-of-contact.

Email: instrumentation.service@us.abb.com

Fax: 919-666-1413

Web: <u>www.abb.com/measurement</u>

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