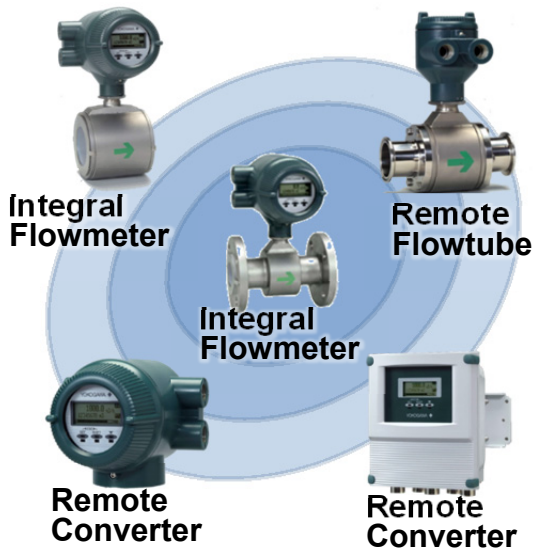


AXF Advanced Features

Magnetic Flowmeter (AXF) Series
FieldMate Application Note



Magnetic Flowmeter (AXF) Major Features:

1. Stable measurement with High Accuracy
2. Status monitoring to plan maintenance schedule
3. Flexible installation to comply with pipe structure

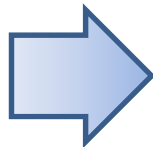
... with FieldMate (Added value):

- i. In line verification
- ii. Easy verification for health check
- iii. Report generation
- iv. Flexibility of Maintenance Plan
- v. Maintenance Information Management

Magnetic Flowmeter (AXF)

Needs in the field

- Flexible Installation
- Easy Maintenance
- Process Sustainability

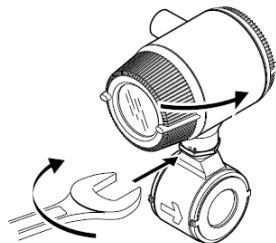


Magnetic Flowmeter (AXF) Solution

- A) "Converter & Display Rotation"
- B) "Electrode Adhesion Diagnostics"
- C) "Dual Frequency Excitation" (Yokogawa unique functions)

A) "Converter & Display Rotation"

The converter housing can be easily rotated to allow access for wiring and maintenance work. The Liquid Crystal Display can also be rotated to suit horizontal or vertical installation.






B) "Electrode Adhesion Diagnostics"

Deposits on the measurement electrodes in a magnetic flowmeter cause an increase in the measured impedance. This causes the flowmeter reading to become unreliable and erratic. Monitoring of the electrode impedance can be performed online by the AXF series.



C) "Dual Frequency Excitation" (Yokogawa unique functions)

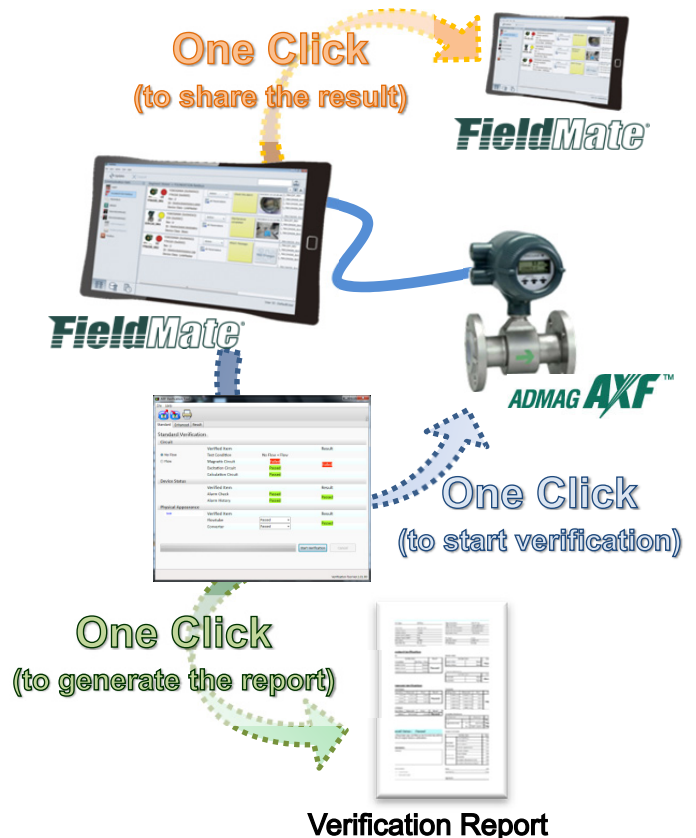
Dual Frequency Excitation provides the best of AC and pulsed DC excitation. Low frequency excitation ensures zero stability, while high frequency excitation achieves slurry noise reduction and fast response.

Excitation Method	AC Power	Pulsed DC	Dual Frequency
Wave form			
Response time	Fast	Slow	Fast
Zero point Stability	Unstable	Stable	Stable
Immunity against process generated noise	Strong	Weak	Strong

with FieldMate (Added value)

FieldMate is asset management software in the field. It has the "AXF Verification Tool" that allows you to verify and confirm the health and integrity of the AXF series **without removing from the line**. By performing this verification, original factory calibration is confirmed (more precisely with Enhanced Verification).

Verification results can be printed out and saved in the database of FieldMate. It is designed to reduce your operating costs and optimized for reporting, periodic maintenance, and adhesion check.



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