MagFlux® Verification

1	Date / Time	/
2	Verification performed by	
3	Customer	
4	Contact person	
5	Installation site address	
6	Sensor part no. / DN serial no. cal. code	/
7	Converter part no. serial no.	
8	Totalizer	
9	Current flow	

Enter check marks in the "**Yes**" or "**No**" check boxes as seen appropriate, and finish with a check mark in the third column to ensure and visualize that all questions have been investigated and answered.
Any "**No**"-answer must be noted and explained in the "Comments / recommendations" frame on page 3.

Sensor Installation Checks

		Yes	No	✔
10	Is the sensor installed correctly according to the instructions in the Installation and User Manual?	☐	☐	☐
11	Has the sensor been earthed correctly?	☐	☐	☐
12	Does the pipe work allow the sensor to be always full?	☐	☐	☐
13	Is the sensor sized correctly for the application? Nominal velocity: _____ (more than 0,5 m/s / 0.6 ft./s.)	☐	☐	☐
14	Is the flow sensor centred on the pipe?	☐	☐	☐
15	Are all bolts fitted and evenly tensioned?	☐	☐	☐

Flow Sensor Checks

Important: Disconnect the L1 and L2 coil wires before proceeding with checks 16 - 20 incl.

		Yes	No	✔
16	Check insulation integrity of L1 coil circuit: _____ (> 1MΩ) Check insulation integrity of L2 coil circuit: _____ (> 1MΩ)	❒	❒	❒
17	Check coil resistance and integrity between L1 and L2 with a multimeter: _____ Ω (38 - 50 Ω)	❒	❒	❒
18	Check contact between electrodes and liquid. E1 to earth: _____ MΩ, E2 to earth: _____ MΩ	❒	❒	❒
19	Is the specified signal cable used between sensor and converter?	❒	❒	❒
20	Are all connections correct and tight?	❒	❒	❒

Re-connect the coil wires.

System Checks

		Yes	No	✔
21	Correct power supply voltage? _____ V AC	❒	❒	❒
22	Confirm correct sensor calibration code (For units produced prior to February 1, 2007: Sensor No.) Sensor Calibration Code: _____	❒	❒	❒
23	Check the 4 - 20 mA output 4 mA: _____ , 12 mA: _____ , 20 mA: _____	❒	❒	❒
24	Is the noise acceptable? _____ % (must be less than 5%)	❒	❒	❒

Converter Checks

		Yes	No	✔
25	Check low flow. Is the reading ± 0.25% of the value stated in the verification table?	❒	❒	❒
26	Check the flow. Is the reading ± 0.25% of the value stated in the verification table?	❒	❒	❒

MagFlux Converter Setup

			✔
27	Minimum flow		❒
28	Averaging		❒
29	Unit		❒
30	mA output (direction/20mA)	/	❒
31	Digital output DO1	Function: _____ Electronic relay unit: _____ On-time: _____ Setting: _____	❒
32	Digital output DO2	Function: _____ Mechanical relay unit: _____ On-time: _____ Setting: _____	❒
33	Digital input DI	Function: _____	❒

Comments / recommendations

Checked by: (in capital letters)	Signed:
Date	Next check

This document is intended to report the installation, performance and correct operation of the MagFlux flow meter. During the comprehensive tests the flow meter's integrity can be verified.

Customers are reminded that a flow meter cannot be calibrated whilst a meter is in service. An actual calibration of a flowmeter can only be done at a certified calibration facility.