

Analysis Report For Magnetic Flowmeter MGG18F

1. Reported Condition of technical problem:
Detector not in service

2. Specification of Detector
Model: MGG18F-300PA11LS5AAJ-X
Production No.: R-9D904-41-013
Production Date: November 2002
Our analysis No.: D-94531

3. Contents of analysis

3.1 Visual Inspection:

No problem was found such as moisture penetrization after inspecting inside of wiring terminal



3.2 Measurement of Isolation Resistance (DC500V):

No isolation resistance was recognized by measuring each connecting portion of detector's lead line

(Standard Judgement: Normal at 100M OHM or over)

Result Coil between XY – E : 100M OHM or over : OK

 Signal between A – E : 100M OHM or over : OK

 Signal between B – E : 100M OHM or over : OK

3.3 Measurement of coil resistance:

Coil resistance measured by a tester

(Standard Judgement: Normal at 33.6+/-1 OHM)

Result 34.2 OHM : OK

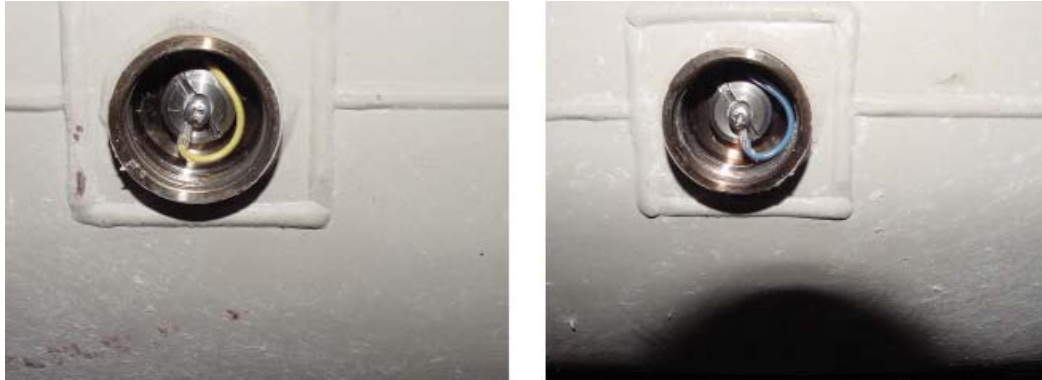
3.4 Connectivity between A – B:

No problem such as line cut was recognized between electrode A – B and terminal A – B.

3.5 Observation of electrode:

Observation was made by dismantling a cap of electrode.

No problem such as moisture or dust was recognized on electrode.



3.6 Pressure resistance test:

Pressure test by water (4.5 mPa) for 10 min.

No pressure resistance problem was recognized.

3.7 Measurement of actual flow:

Equipped the detector with our actual flow testing instrument, the measurements were carried out at about 50% as well as about 100%.

	Measuring point	Discrepancy	
Test 1	49.6 %	0.41 %rdg	OK
Test 2	94.3 %	0.62 %rdg	OK

4. Summary of analysis result

It was reported that a detector's problem has been recognized at the customer's site. However no problem was recognized as a result of our various investigations, including the test with actual flow.