



TOTALFLOW

Technical Bulletin 121

Older Vintage AMU's not Compatible with XFC Flow Computers

Totalflow Technical Bulletin

Version 1.0, Revision AA (3 November 2004)

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1. Purpose

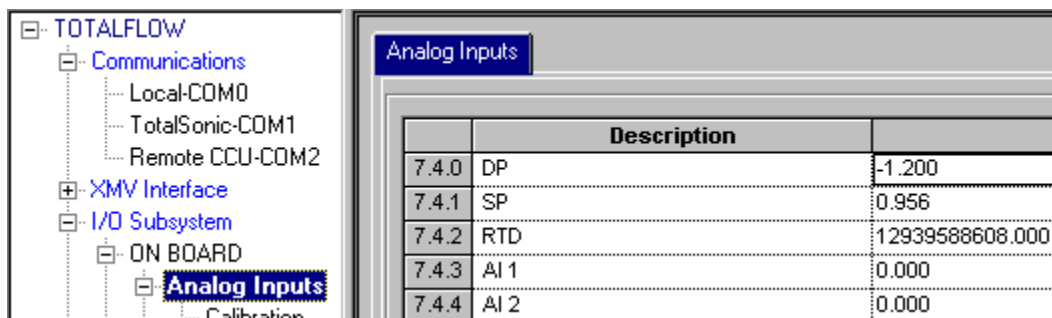
To describe a compatibility problem between AMU's produced from 1994 to 1996 (serial numbers 1-approximately 17000) and our new XFC products (2100204-001 or -002 electronic board)

2. Description

A problem has been reported that doesn't allow some number of older AMU's to be connected to XFC electronic boards. This typically would be seen when upgrading older style 6600 Flow Computers with a new Xseries electronic board.

3. Symptom

The Flow computer will produce an A/D error and will display and record erroneous differential pressure, static pressure and temperature results. We tested AMU serial number 1104, which produced the following results: Results could vary.



Analog Inputs		
	Description	
7.4.0	DP	-1.200
7.4.1	SP	0.956
7.4.2	RTD	12939588608.000
7.4.3	AI 1	0.000
7.4.4	AI 2	0.000

4. Workaround

Install a new FLASH into the Xseries electronic board to resolve the problem.

5. Conclusion

ABB has corrected this problem by modifying the XFC FLASH image to understand the old AMU data structure. This change makes the XFC board both backward and forward compatible with all AMU and XIMV transducers.

The following EPROM corrected this backward AMU compatibility issue:

XFC 6400 and 6700 (2100204-00x) FLASH = 2101050-015 or later

Note: Other less frequently used FLASH images have or can be updated to include this correction. Call Customer Service if your particular FLASH image does not show up in the list above.



To assist our technical staff please refer to this particular problem using this technical bulletin number 121

ABB will provide an upgrade FLASH image to anyone using an older style AMU exhibiting the symptoms described above at no charge. Please call our technical service staff at (800) 442-3097 option 1,2 for upgrade information.