

ABB MEASUREMENT & ANALYTICS | TECHNICAL BULLETIN | 2105964TB-TB204

# **Coriolis Gas Interface** Application issue

10/12/2017

# 1 Introduction

An issue was discovered with the RMC-100 and  $\mu$ FLO<sup>G5</sup> when measurement applications will miss 1 second at the top of the hour if the Gas Coriolis Interface application was being utilized. In this case, all enabled measurement applications will be short 1 second at the top of each hour. If the Coriolis Gas Interface was not enabled and being utilized, all log records of all measurement runs are complete and are not affected.

# 2 Description

Measurement applications may be short 1 second. An hourly record that should have 3600 seconds will reflect 3599 seconds. This issue is known to occur only in the RMC-100 and  $\mu$ FLO<sup>G5</sup>. This issue will only occur in these devices, if the Gas Coriolis Interface application is enabled. If the Gas Coriolis Interface application is enabled, all measurement applications will be affected, including AGA3 or AGA7 applications.

The Gas Coriolis Interface issues have been detected in the products and software shown in Table 1.

IMPORTANT N	IMPORTANT NOTE Table 1 provides both the Flash and the customer package versions. Cus tomer packages contain the OS in addition to the Flash.			
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Product model	Component	Part number		
Product model	Component	Part number		
Product model μFLO <sup>G5</sup>	<b>Component</b> Customer package	<b>Part number</b> 2105409-012 and earlier		
	•			

Table 1: Impacted products and software

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## Is your product impacted?

Flash

Only the products with the flash numbers shown in Table 1 above are affected and if the Coriolis Gas Interface application is enabled and utilized.

## IMPORTANT NOTE

This issue is not present if the customer is not using the Gas Coriolis Interface application.

2105457-019 and earlier

Follow the steps in section 3.1, Determine software part or version numbers, to verify if your product is impacted.

## 3.1 Determine software part or version numbers

To determine if your product is impacted, verify the Flash number currently active on the device:

1. Connect to the device on PCCU entry mode (Fig. 1).

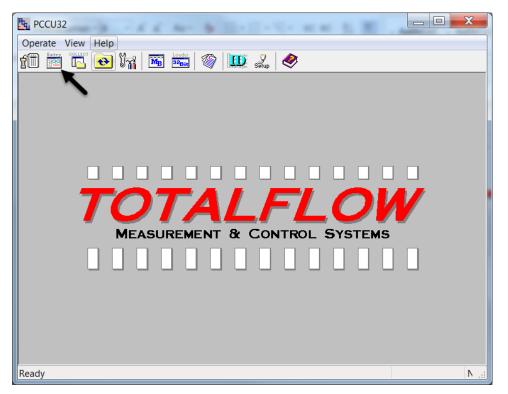


Fig. 1: Main PCCU screen

2.	On the navigation t	ree select the top	node on the tree,	or the station name (F	-ig. 2).
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PCCU32 - [Entry]			X				
Coperate View Window Help - S x							
10 🖻 🔟 💽 Vii 🖼 🧐 📖 🔍 🧶							
G5UFLO2013 Communications	Station Setup Application/License Management Selectable Units Setup Battery Information Resources System Log Security Log Registry						
- Totalflow/USB	Description	Value	1				
- Totalflo - /COM0: 0.9.1	10 Software Build Date/Time	05/03/17 14:40:28					
Com 2							
Bluetooth 0.0.3	32 Board Part #	2104939					
Therms Master 0.0.1	1 Flash Software Part #	2105298-006					
B-NGC Client 0.0.1	18 OS Software Part #	2105411-021					
Coriolis Interface 0.0.3	33 First Stage Boot Loader Part #	2105412-011					
E-Liquid 0.0.3	34 Second Stage Boot Loader Part #						
⊞-Gas							
I/O Interface O.9.3	34 System CPU Frequency (MHz)	300					
AGA7-2							
Display 0.12	2.0 Factory Configuration	29					
Holding Registers							
Trend System	Available Applications	Revision					
- Analysis Trend File 0.12	2.1 System	2103280-014					
Operations 0.12	2.2 Communications	2101303-005					
0.12	2.3 I/O Interface X Series	2104310-003					
0.12	2.4 XMV Interface	2103775-007					
0.12	2.5 NGC Client	2103144-001					
0.12	2.6 Therms Master	2103281-003 -					
			-				
Ren	-read Monitor Print	Screen Save Send Close Help XHelp 🐌					
Ready	#Polls: 6	60 #Errors: 0 Connected to 10.127.184.186 Login: user	A				

Fig. 2: Verifying the installed Flashed Software part # on the Registry tab

- 3. Select the **Registry** tab.
- 4. Locate and take note of the Flash software part #.
- 5. If the Flash software part # matches the Flash number in Table 1, proceed to section 4.

# 4 Resolution

If it is determined that your product is impacted, upgrade the device. The software package numbers containing the Flash version correcting the problem are shown in Table 2. Either the customer package or the Flash package can be used to upgrade the Flash.

## IMPORTANT NOTE

Customer packages contain both the OS and the Flash. If using a customer package, both the OS and the Flash can be selected for the upgrade. For additional information or upgrade instructions see the Embedded Software Release notes for customer packages 2105409 ( $\mu$ FLO<sup>G5</sup>) and 2105452 (RMC-100).

Product model	Component	Part number
μ <b>FLO</b> <sup>G5</sup>	Customer package	2105409-013 or greater
	Flash	2105298-007 or greater
RMC-100	Customer package	2105452-021 or greater
	Flash	2105457-020 or greater

Table 2: Software versions for upgrade



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