	SONARtrac™ Technical Bulletin	
	Subject: Transmitter Problem When Using Totalizer with Custom Units	TB014 Rev: 01
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Problem:

A problem with the SONARtrac transmitter ‘totalizer’ function has been discovered. When a ‘USER’ unit (customized volumetric unit based on an existing standard transmitter defined unit) is selected for display and the totalized units for display are desired to be the same ‘USER’ unit, the totalized units will be incorrect. **Note:** If standard transmitter units (gal, i-gal, m³, l) are selected the totalizer functions work properly.

For example, if USER defined units of barrels / minute (bbl/m) is selected for the volumetric flow unit and barrels is selected for the totalizer unit, the totalized value will be incorrect.

This problem exists in all firmware releases up to and including Release 03.04.07 and Release 04.01.16. It will appear on both the transmitter display and on the transmitter pulse output.

Resolution:

There is no work around for this problem. Until a release of firmware to correct this problem, options are:

1. Avoid using the Totalizer screen display and output when using custom units,
2. Use a transmitter standard unit (gal, i-gal, m³, l) for display of both flow rate and totalized value,
3. Use a custom unit for the flow rate display (e.g. bbl / m) and then display and / or transmit the totalized value in the associated base unit (e.g. gal).

Firmware versions following Release 03.04.07 and Release 04.01.16 will contain a correction for this problem. They will be released shortly.


If there are any questions, please contact CiDRA Technical Support.

Priority Code:			
1	Safety issue or system will not function	2	Intermittent problem causing system crash
3	Erratic data/readings	4	Added product feature
5	Product enhancement		

CiDRA Corporation
Tel. 203-265-0035

50 Barnes Park North
Fax. 203-294-4211

Wallingford, CT 06492
www.cidra.com

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Document Change History

Date	Revision	Changed By	ECO #	Description of Change
18Sep07	01	Markoja	E07-0112	Initial Release

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