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SUBJECT **Users Guide – ST98 Profibus**	CAGE CODE **64818**	DATE **03/27/03**	SECTION	PAGE **i of iii**	REVISION **A**

USERS GUIDE TO ST98 WITH PROFIBUS MODULE e.bloxx A1-1

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REVISION PAGE

Revision	Description	Date
-	Initial Release	03/27/03
A	Module manufacturer discontinued ISM 101-C and replaced with e.bloxx A1-1, document modified to support change.	09/29/04

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1.0   SCOPE

This document is a supplement to instructions that use the ISM 101-C Profibus-DP communication module. It provides information on the instruction set used by the module. The ISM 101-C module converts the current output of an FCI instrument into a Profibus –DP signal.
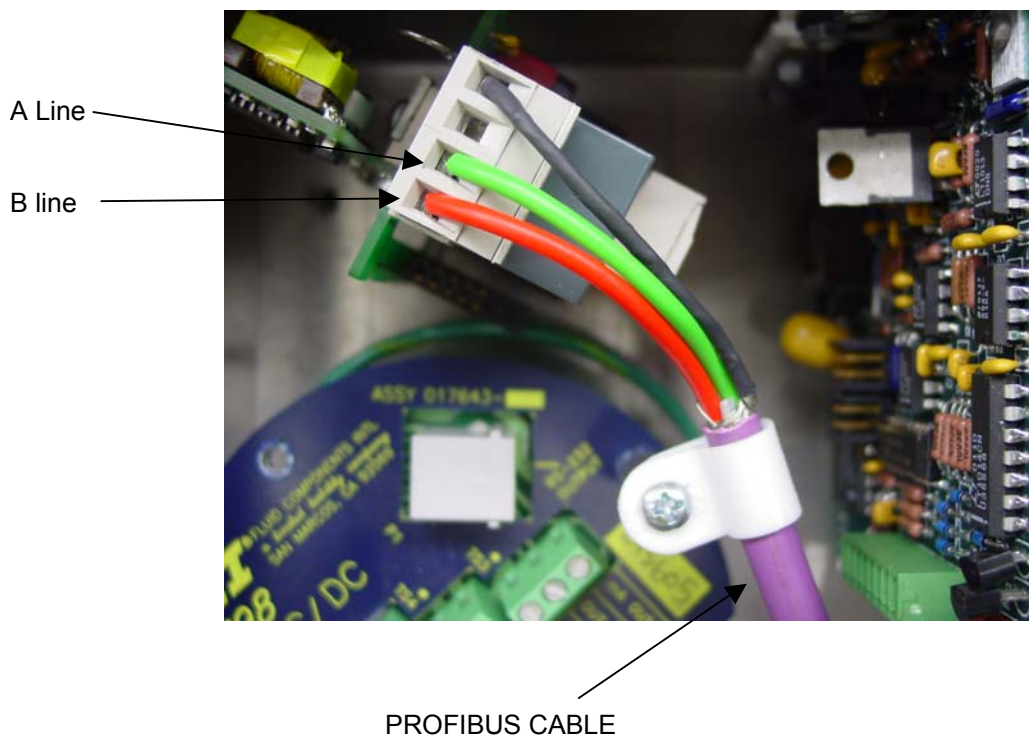
2.0   APPLICABLILITY

The instructions and information found in this document are applicable to the ST98 with the ISM 101-C Profibus module.

3.0   INSTALLATION

3.1 PROFIBUS CONNECTIONS

The ST98 PROFIBUS data transfer is based on the RS485 Standard and EN50170. When planning the Installation it is recommended that the physical regulation for PROFIBUS equipment as described in EN50170 be followed.

See Figure below for recommended connection to PROFIBUS network.
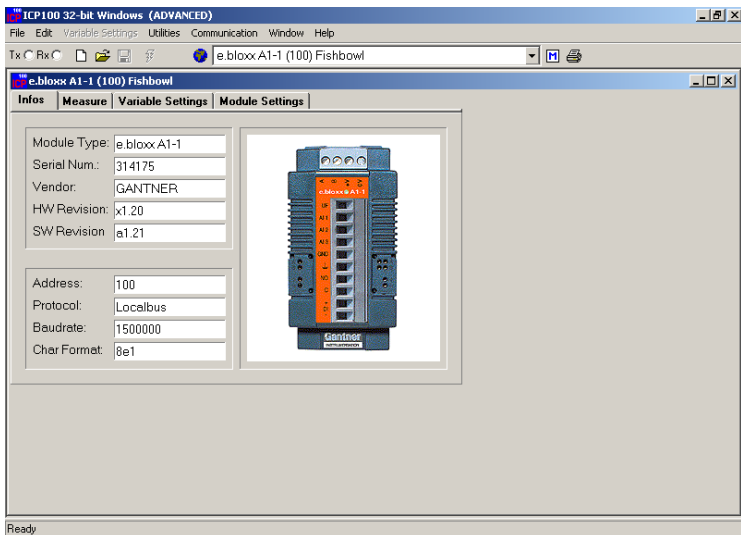

A Line

B line

PROFIBUS CABLE

The ST98 with the E.BLOXX PROFIBUS module has no integrated terminating resistors . An external termination resistor network needs to be added at the end of segment is the ST98 is the last instrument in the segment.
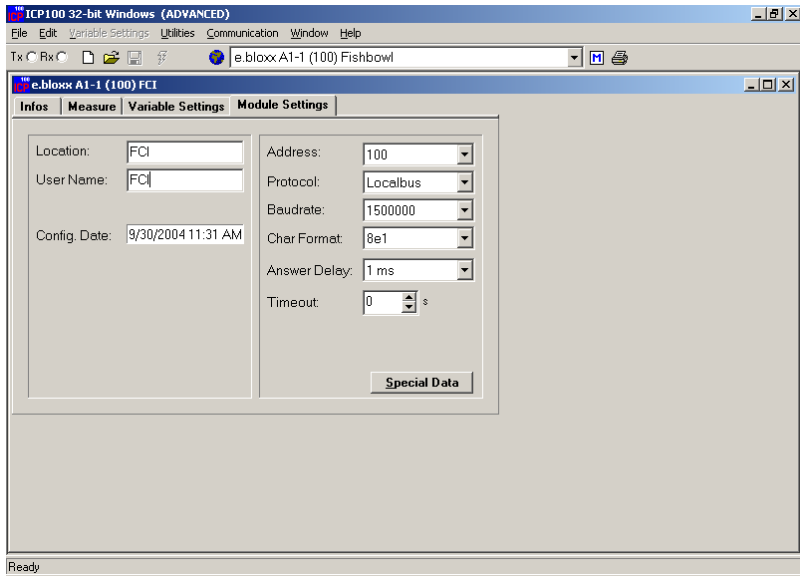
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3.2 ST98 ADDRESS SETUP

The ST98 PROFIBUS address setup and Bus speed selection are done is with the use of the GANTNER "Configuration Software ICP 100" . See opening screen below
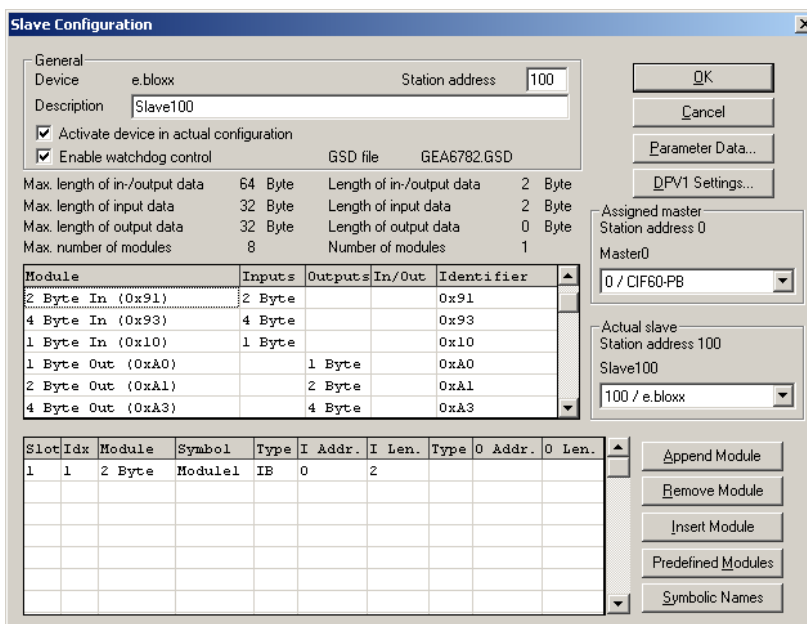
On the dialog box "Module Information" the address and Baud rate of the actual E.BLOXX is displayed. After changing the settings they need to be loaded into the E.BLOXX module, and this is done by selecting the menu item "Send to Module" or "Send To Module As..." from the menu "File"

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4.0 ST98 PROFIBUS CONFIGURATION (e.bloxx Module)

To configure the ST98 e.bloxx module for the Profibus master you must first load and select the modules GSD file. The GSD file for the ST98 with the e.bloxx module is "GEA6782.gsd" then use your master configuration software to complete the PROFIBUS configuration. See typical configuration screen for the ST98 with the e.bloxx module.

5.0 ADDITIONAL INFORMATION

For additional information on the ST98 refer to the FCI INSTALLATION, OPERATION AND MAINTENANCE MANUAL FOR THE Model ST98 Flowmeter Document number 06EN003291.

For additional information on the e.bloxx Profibus Module refer to GANTNER TECHNOLOGIES **E.BLOXX A1-1, A1-4, A1-8 Manual.**