



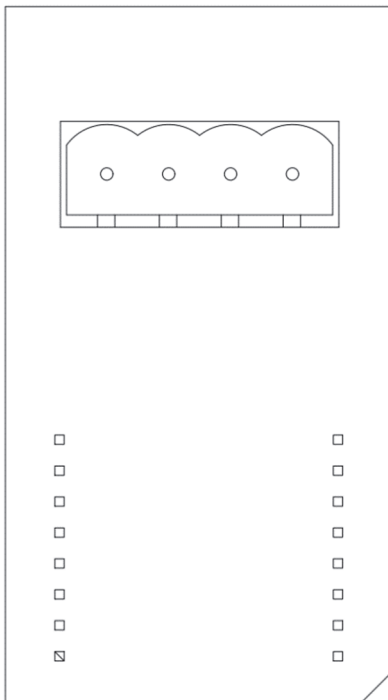
OMNTEC
Advanced Tank Monitoring & Leak Detection



1. Open the camera app
2. Focus the camera on the QR code by gently tapping the code
3. Follow the instructions on the screen to view PDF file

OPTION BOARD

INSTALLATION INSTRUCTIONS



PROTEUS® Series TANK GAUGING SYSTEM

Revision 1.1

Document No. DI00012

OMNTEC® Mfg., Inc. has been certified
by DQS Inc. to ISO 9001:2015

INSTALLING OPTION BOARD

SUPPLIED HARDWARE

- (1) Option Board
- (1) Grounding Nut
- (1) 11mm standoff

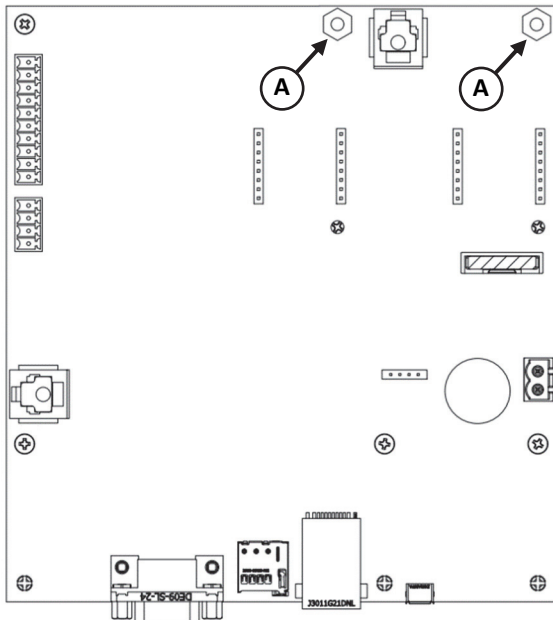


Figure 1.0

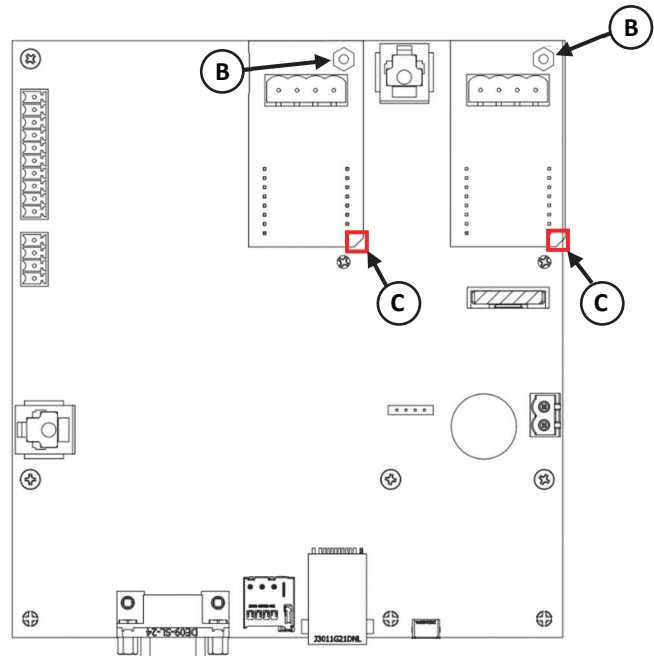


Figure 2.0

1. Safely shut off power to the **PROTEUS**® ATG.
2. Configure the option board to the desired function.
3. (1) 11mm standoff, marked “A” (Figure 1.0) is pre-installed for mounting and grounding the option board and must align with the through hole.
4. Place the option board into one of the desired slots, aligning the **corner board notch**, marked “C”, with the notch markings on the MCU (Figure 2.0).
5. Confirm board pins are aligned correctly to the 8-pin slots. **Pin alignment is critical.**
6. Install (1) grounding nut marked to secure the option board using the nuts marked “B” (Figure 2.0).
7. Reapply power to the **PROTEUS**® ATG.
8. The LED on the option board will illuminate after reapplying power to the ATG. If the LED does not illuminate check board for proper pin alignment.
9. Enter SETUP and configure the option board and enable option bus to the desired settings.



FAILURE TO COMPLY CAN CREATE AN ELECTRIC SHOCK OR EXPLOSION
HAZARD CAUSING DEATH, PERSONAL INJURY, OR PROPERTY DAMAGE.

INSTALLING MB-232/485 OPTION BOARD

Pin Outs for J1

- 1) GROUND
- 2) SIGNAL - / Rx
- 3) SIGNAL + / Tx
- 4) +5 VDC

Figure 3.0

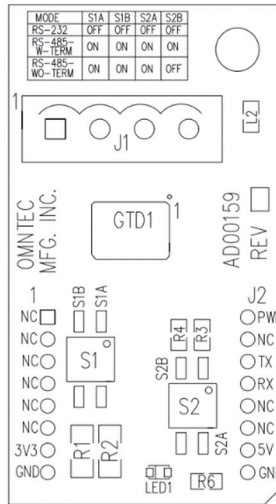
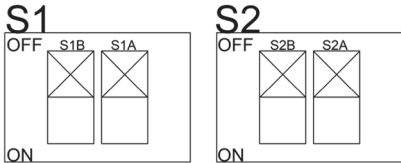
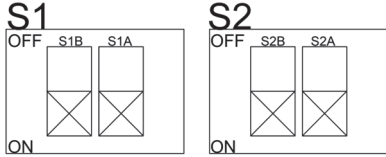
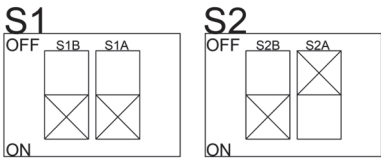


Figure 4.0

SWITCH SETTINGS:

MODE	S1B	S1A	S2B	S2A
RS-232 	OFF	OFF	OFF	OFF
RS-485 WITH TERMINATION 	ON	ON	ON	ON
RS-485 WITHOUT TERMINATION 	ON	ON	ON	OFF

IMPORTANT:

- Read and understand all the instructions prior to starting the installation process.
- Do not apply power until all electrical connections have been made and the MB-232/485 option board has been secured using the supplied hardware.
- All work must be performed by authorized installers.