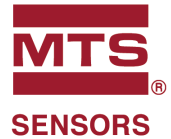


# Liquid-Level Sensors

with Temposonics® Magnetostrictive Technology



Series 80 Monitor Modifications for MG Gauges

551035 A

## Technical Tip #27

For use when both older DDA and MG gauges are connected to the same monitor.

Perform the following procedures if intermittent communication problems exist between the gauges and monitor.

To utilize this procedure, older DDA gauges require a firmware revision of 1.04 or higher. Below are options for verification on the version.

1. To physically look at the digital card in the gauge head as the firmware is the only socketed chip on the board. The digital card has the nine dip-switches.
2. Use an HT-100 to view the revision. It can be accessed from the main menu by pressing F2 "Setup", then F1 "DDA gauge". The display will read "Edit number of floats"; press F4 to step back to "software versions". Press F1 to view data.

If the firmware is found to be of an earlier version, contact MTS for newer chips.

### Verifying polling rate

To increase the resolution of the level and temperature on MG gauges, use the following steps:

1. Put the monitor in program mode by pressing the Mode key, then the Enter key until the Main Menu displays.
2. Enter ( #2 Gauge parameters ) and increase the resolution to the maximum value for both level and temperature. If reading in inches, the values will be 0.001" and 0.02 degrees.
3. Perform step 2 for each gauge.
4. When finished, press the Clear key three times to re-initialize the monitor.
5. Continue with verifying response timeout delay.

### Verifying response timeout delay

To increase the time between the gauges response and the monitor's error reporting, use the following steps:

1. Put the monitor in program mode by pressing the Mode key then the Enter key until the Main Menu displays.
2. Enter ( #1 System parameters). Press the Enter key when prompted, edit security code 1 and press the Mode key to edit. Press the Function key, Clear key then the 7 key four times.
3. The display will read **FC7777** as the keys are entered. The display will read:

**Edit EEPROM:  
Page:  
Value:**

Press the Zero key, then type 61441.

- The current value will be 0. You are prompted for a new value, press 2 and then the Enter key.
- Press the Clear key three times to re-initialize the monitor.

The available options are:

0 = 50 ms  
1 = 200 ms  
2 = 500 ms

All specifications are subject to change. Please contact MTS for specifications that are critical to your needs.

**Part Number: 06-05 551035 Revision A**  
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