SMART SWITCH TECHNOLOGIES

TD-4000
Tank Monitor
Ver 8.4
Installation Manual
TD-4000 Master Display Unit (MDU)

Provides the following functions:

- visual indication of tank level (bar graph or lts / gals & percentage)
- visual indication of battery voltage
- turn water pump on or off
- disable toilet when black tank full
- all tanks are name programmable e.g. (Aft-Grey) (Port Fuel) (Water)
- backlight
- audible alarm

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Electrical Specifications TD-4000

Supply Voltage 10 to 30 Volts DC (Auto-Sensing)
Quiescent Current 0.03 Amps
Data Retention 50 years (without power)

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Outputs

The TD-4000 has two (open collector) outputs, which can be used to turn a relay ON or OFF.

These outputs can be used to control pumps e.g. Black discharge pump, or output 2 (only) can be programmed to activate a relay when the Black tank reaches the set alarm point to disable the toilet.
Wiring Diagram for TD-4000

Pump Circuit Connection

To Blue or White wire on the TD-4000

Blue = Output 1  
White = Output 2

Relay

BATTERY

TO PUMP

Disable Toilet Circuit Connection  NOTE: Output 2 ONLY

To White wire on the TD-4000

White = Output 2

Relay

BATTERY

TO Toilet Switch

RJ-11 to three core cable  Part # RJ-STD

(Pressure sensor - phone cable connector to plug in green connector)

Black = GND

White = Signal In

Red = + 5vdc

Battery Adaptor Wiring  Part # BAT-100

To TD-4000 Input
Connector Wiring

Back View

Model : Serial No : D.O.M :

Input 4  Input 3  Input 2  Input 1

+12 vdc  + 5 vdc  Signal  In  GND  +12 vdc  + 5 vdc  Signal  In  GND  +12 vdc  + 5 vdc  Signal  In  GND  +12 vdc  + 5 vdc  Signal  In  GND

Connector Wiring For Ultra-Sonic Sender
Gnd = Black on Ultra-Sonic Sensor
Signal In = Green on Ultra-Sonic Sensor
+ 12 vdc Out = Red on Ultra-Sonic Sensor
+ 5 vdc Out = NOT USED on Ultra-Sonic

Connector Wiring For Pressure Sender
Gnd = Black on Pressure Sensor
Signal In = Green on Pressure Sensor
+ 5 vdc Out = Red on Pressure Sensor
+ 12 vdc Out = NOT USED on Pressure Sensor

WARNING: DO NOT CONNECT TO + 12 vdc

Connector Wiring For BAT-100 Adaptor
Gnd = Black from Bat-100
Signal In = Green from Bat-100
+ 12 vdc Out = NOT USED on Bat-100
+ 5 vdc Out = NOT USED on Bat-100

Connector Wiring For RJ-11 Adaptor
Gnd = Black
Signal In = White
+ 5 vdc Out = Red
+ 12 vdc Out = NOT USED on Pressure Sensor

WARNING: DO NOT CONNECT TO + 12 vdc

Connector Wiring SM-180 Adaptor
Gnd = Black on SM-180 Adaptor
Signal In = Yellow on SM-180 Adaptor
+ 12 vdc Out = Purple on SM-180 Adaptor
+ 5 vdc Out = NOT USED on Ultra-Sonic
This system has 2 display modes. See point 3 on page 10 - Operating Instructions to change.
Programming Instructions

NOTE: Program Input & Calibrate must be preformed for each tank

Step 1: Placing the unit in Program Mode

Press and hold down the Backlight key now press and hold the Scroll key. Hold together for 3 seconds.

This will bring you to the Set-Up Menu.

Press the Scroll or Backlight key to scroll through the Set-Up Menu or Press the Pump key to program an Input.

Step 2: Selecting an Input to program

Once in program mode each Input can be individually programmed.

The display will now show:

```
Select Input
1
```

Use the Scroll or Backlight key to scroll to the Input requiring programming. Press the Pump key once the input to be programmed has been found.

Step 3: Selecting Tank or Battery Name

The display will now show:

```
GREY TANK
Select Name
```

NOTE: There is a list of pre-programmed names for you to choose from, if you want to change a name see step 3a below. Once a name has been used DO NOT use the same name again when programming another tank choose another name from the list to either use or change.

Use the Scroll or Backlight key to scroll through the pre-programmed tank names. Press the Pump key once the required tank name has been found. If you want the name selected press the Pump key again, otherwise if you want to change the name see next Step 3a.

Step 3a: Changing Tank Name Text

The tank name text may be changed. After selecting the Tank (name), as above, use the Backlight key to move the cursor to each individual letter and the Scroll key to scroll through the alphabet. When finished, press the Pump key to enter.
Step 4: Selecting Type

The display will now show:

Grey Water
< INPUT TYPE >

Use the Scroll or Backlight key to scroll through the various Input Type’s e.g. Grey Water, Black Water, Fresh Water, Fuel etc. Press the Pump key once the appropriate tank type has been found. **Note:** The tank type only sets where the alarm point starts and the pump default start or stop points.

If the Battery is selected see Step 5a. If Transfer is selected see page 12

Step 5: Setting the Alarm point for Tank

The display will now show:

Set Alarm Point

The alarm point is the point where the tank will alarm you. E.g. almost or empty, almost or full
Use the Scroll or Backlight key to move the alarm point to the desired level. Press the Pump key to set this as your alarm point.

Step 5a: Setting the Alarm point for Low Battery

The display will now show:

Set Alarm Point
Set Alarm = 10

The alarm point is the point where the battery will alarm you when it's low. This can be set at any level.
Use the Scroll or Backlight key to move the alarm point to the desired level. Press the Pump key to set this as your alarm point.

Step 6: Audible Alarm

The display will now show:

Audible Alarm
< No Yes >

Press the Scroll key to select “Yes” or the Backlight key to select “No”.
If Yes is selected the audible alarm will sound based on the alarm point set, as above.
If No is selected there will be no audible alarm, associated with that input, only a visual bell.

Note: If this is a battery, the system will now return you to the Set-Up Menu. If this is a tank go to Step 7.
Step 7: Tank Volume

The display will now show:

| Set Tank Volume | < No | Yes > |

This allows for displaying the tank volume in either Litres or Gallons. If this feature is required press the Scroll key to select “Yes”. Next select “Lts” for Litres or “Gals” for Gallons.

The display will now show “Set Volume 00000”. Use the Backlight and Scroll keys to change the value and the Pump key to enter and move to the next digit. When the last digit is reached and the Pump key is pressed the system will return to the Set-Up Menu.

Otherwise press the Backlight key to select “No”. If No is selected the system will return to the Set-Up Menu. Once back at the Set-Up Menu repeat this process for all additional Inputs.

Note: After a tank has been programmed individual settings may be changed. From the Set-Up Menu scroll to the option you wish to change and press the Pump key. You can now change that particular setting as per the instructions.

Set Outputs

The TD-4000 has two outputs and can be associated with any of the inputs. To set up this feature, scroll down to “Set Output” (in the Set-Up Menu) and press the Pump key.

The display will now show:

| Tank Name ?  
| Select Input 1 |

Press the Scroll or Backlight key to scroll to the Input you want to select and press the Pump key.

The display will now show:

| Program Output | < No | Yes > |

This allows you to exit in the event that you have made a mistake with regards to which Input you would like to attach an Output. If you would like to escape then press the Backlight key. This will return you to the Set-Up Menu. Otherwise press the Scroll key to continue.

The display will now show:

| Program Output  
| Output Number 1 |

Press the Scroll or Backlight key to move between Output 1 & 2. Once the desired Output is displayed, press the Pump key. This has now been set and the system will return to the Set-Up Menu.

This setting can be changed at any time by selecting this option from the menu and following the on screen directions.
Pump Output: (also see Pump Start / Stop: page 10)

The TD-4000 has two Pump Output controls and works as follows:

If used for Black or Grey you can turn it ON and OFF manually. If the pump is ON will turn OFF automatically when the tank is empty or at the programmed Pump Stop Point.

If used for Water you can turn it ON and OFF manually. If the pump is ON it will turn OFF automatically when the tank reaches the programmed low alarm point or at the programmed Pump Stop Point.

If used for Fuel you can turn ON and OFF manually. If the pump is ON it will turn OFF automatically when the tank is full or at the programmed Pump Stop Point.

If a tank type has been programmed as a Day Fuel (see Step 4) the Output will automatically turn ON at the programmed Pump Start Point and turn OFF when the tank is full or at the programmed Pump Stop Point. If the Pump key is pushed during the automatic pumping the pump will stop and the Day Tank feature will be placed into manual mode. Pushing the pump key again will start the pump again and place it back into automatic mode.

Special Pump:

If the Black tank has a charcoal filter fitted and you are using a pressure sensor you will need to use this feature.

Explanation: When the pump is turned on liquid is removed from the tank quicker than air can replace it due to the constrictive nature of the air filter. This will cause a pressure drop, the system will think the tank is empty and turn the pump off.

The Special Pump feature will allow the pump to run for a pre-set time without looking at the tank level (which will be wrong due to the above reason), the pump will then turn Off for 20 seconds allowing the tank to equalize its pressure. The system will then look at the tank level and turn the pump back On for a time period. This time will be based on the tank level e.g. If the tank level is low, the time period will be short. This will continue until the tank is empty.

If this feature is selected then, when the pump is On, the display will show ------PUMPING------. When the pump is Off, during the equalizing time, the display will show ------EQUALIZING------.

Scroll down to “Special Pump” and press the Pump key.

The display will now show:

<table>
<thead>
<tr>
<th>&lt; No</th>
<th>Yes</th>
</tr>
</thead>
</table>

Press the Scroll key to select “Yes” or the Backlight key to select “No”.

If No is selected the feature will not be turned on and the system will return to the Set-Up Menu.

If Yes is selected, The display will now show:

<table>
<thead>
<tr>
<th>Set Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; Default</td>
</tr>
</tbody>
</table>

This is the time period the pump will run (if full) before looking at the tank level.

Either Default or Set maybe selected.

If “Default” is selected the time period will be set to 3 minutes and the system will return to the Set-Up Menu.

If “Set” is selected, The display will now show:

<table>
<thead>
<tr>
<th>Set Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set Minutes = 1</td>
</tr>
</tbody>
</table>

Use the Scroll Key to scroll through the times 1 to 5 minutes. Press the Pump key to enter. The system will now return to the Set-Up Menu.
**Pump Start / Stop:**

**Day Tank:**
If a tank has been set as a Day Tank in the Tank TYPE set-up then this feature allows you to set when the transfer pump will automatically be turned On and Off. This can be set up by selecting the “Pump Start/ Stop” option from the Set-Up Menu and selecting the tank you wish to set this up on. Use the Scroll or Backlight keys to set the pump Start and Stop point. Once this is complete press the Pump Key and you will return to the Set-Up Menu.

**Grey, Black, Fresh or Fuel:**
If a tank has been set as either a Grey, Black or Fresh Tank in the Tank TYPE set-up then this feature allows you to set when the pump will automatically be turned Off. This can be set up by selecting the “Pump Start/ Stop” option from the Set-Up Menu and selecting the tank you wish to set this up on. Use the Scroll or Backlight keys to set the pump stop point. Once this is complete press the Pump Key and you will return to the Set-Up Menu.

*Note: Set the stop point for Grey, Black or Water at a very low setting and Fuel at a top setting.*

**Transfer:**
If a tank has been set as a Transfer in the Tank TYPE set-up then this feature allows for both low and high pump stop points see page 12.

**Disable Toilet:**
From the Set-Up Menu scroll down to “DISABLE TOILET” then press the Pump key.

*The display will now show:*

| Disable Toilet | < No | Yes |

If “Yes” is selected (by pressing the Scroll key) this will set Output two (white wire) to short to GND when the Black Tank reaches the alarm point and turn Off 12 displays bars below this point.

If No is selected you will return to the main MENU.

**Copy Calibrate:**
This function allows you to copy the calibrations setting from one input to another.

*NOTE: please ensure you have calibrated the input you are coping FROM.*

From the Set-Up Menu scroll down to “COPY CALIBRATE” then press the Pump key.

*The display will now show:*

| Copy From | Select Input | 1 |

Use the Scroll key to scroll to the input you want to copy FROM and press the Pump Key to enter.

*The display will now show:*

| Copy to | Select Input | 1 |

Use the Scroll key to scroll to the input you want to copy TO and press the Pump Key to enter, you will now be returned to the main MENU.
External Alarm : Using Output 2 (white for external alarm:

Step 1:
From the Set-Up Menu scroll down to “External Alarm” then press the Pump key.
The display will now show:

```
Tank Name ?
Select Input 1
```

Use the Scroll or Backlight key to find the Input to associate with the external alarm (only one input may be associated), when the input is found press the Pump key to except.

Step 2:
The display will now show:

```
Set Low Alarm
< No                   Yes >
```

Both low and high alarm points OR just the high alarm point can be set.
If “Yes” is selected (by pressing the Pump key) this will activate and allow the low alarm points to be set.
If No is selected goto Step 5

Step 3:
The display will now show:

```
Set Low Start
```

Use the Scroll or Backlight key to set the point where the Low alarm comes on (trigger point).

Step 4:
The display will now show:

```
Set Low Stop
```

Use the Scroll or Backlight key to set the point where the Low alarm comes off (alarm reset point).
Note: this point MUST be greater than the Start point.

Step 5:
The display will now show:

```
Set High Start
```

Use the Scroll or Backlight key to set the point where the High alarm comes on (trigger point).

Step 6:
The display will now show:

```
Set High Stop
```

Use the Scroll or Backlight key to set the point where the High alarm comes off (alarm reset point).
Note: this point MUST be smaller than the Start point.
Transfer Fuel Feature:

This feature allows for the pump output to have both low and high stop points.

Step 1:
When programming a tank and the INPUT TYPE screen is displayed.

The display will now show:

```
< INPUT TYPE >
```

Use the Scroll or Backlight key to scroll to the option “Transfer Fuel” and press the Pump key to except.

Set the alarm (Step 5) and Tank Vol (Step 7) settings.

Step 2:
At the main menu scroll down to the “PUMP START/STOP” option.

The display will now show:

```
Tank Name ?
Select Input  1
```

Use the Scroll or Backlight key to find the Input to associate with the output, when the input is found press the Pump key to except.

Step 3:
The display will now show:

```
Set Stop Low
```

Use the Scroll or Backlight key to set the low point where the pump will turn OFF and press the Pump key to except.

Step 4:
The display will now show:

```
Set Stop High
```

Use the Scroll or Backlight key to set the high point where the pump will turn OFF and press the Pump key to except.
Erasing Inputs:

From the Set-Up Menu scroll down to “ERASE INPUT” then press the Pump key.

The display will now show:

```
< No       Yes >
```

If “Yes” is selected (by pressing the Scroll key) –

The display will now show:

```
Tank Name ?
Select Input 1
```

Use the Scroll or Backlight key to find the Input to erase, and then press the Pump key to erase that Inputs data, the system will then return back to the Set-Up Menu.

If “No” is selected (by pressing the Backlight key) an inputs data will NOT be erased and the system will return back to the Set-Up Menu.

Exit Menu

Once all required inputs have been calibrated and programmed, you can exit from the Set-Up Menu by pressing the Scroll key until “Exit Menu” is displayed, then press the Pump key. This will save all associated data that has been set and take the system out of Set-Up mode and into Monitoring mode. The TD-4000 is now ready for use!

Operating Instructions:

1/ Pressing the Backlight key will turn the backlight ON, press again to turn OFF.

2/ Press the Scroll key to alternate between tanks.

3/ Press and hold the Scroll for 4 seconds to alternate between display modes.

4/ Pressing the Pump key will turn the pump (power) ON, press again to turn OFF.

   If a pump is turned ON a “P” will be displayed in the top right section of the display.

   The Pump key will also act as the Mute key if an alarm is on. E.g. if the alarm is ON the first press will mute the alarm, the second press will turn the pump ON or OFF.

Audio Alarm:

The audio alarm can be turned ON or OFF by holding down the Backlight key for 3 seconds, you will hear a bleep after every second. After 3 bleeps you may release the key. If the audible alarm is turned off there will still be a visual alarm (bell icon).

The bell icon will flash when the tank with the alarm is scrolled to otherwise it will remain on solid. A solid bell indicates there is an alarm, but not for the tank being displayed.
PLEASE NOTE: For sensor Model SEN-100 The Maximum Tank Height is 1 Meter
PLEASE NOTE: For sensor Model SEN-250 The Maximum Tank Height is 2.5 Meter
The maximum surge and safe pressure is 28psi.
For more information see “Calibration Tips & Tricks” on our web site www.smartswitch.co.nz

Mounting Adaptors Available:

A range of mounting adaptors are available which includes flat sidewall, top mount, 1.5” pipe, 2” pipe, 3” pipe and drain valve. **Ask your dealer for details.**

Should a 4 to 20-milliamp loop sensor supplied by another manufacturer be used, then the adaptor (part number SM-420) will need to be installed.

Sensor Installation:

The sensor should be mounted as low in the sidewall as possible using a ¾” spin-in or the flat sensor adaptor. If the sensor adaptor is used it will require drilling a 5/8” hole in the sidewall. Apply silicon glue liberally to the bottom of the adaptor. Using #10 x ½” stainless steel self-tapping screws attach the adaptor to the sidewall. Once the adaptor is attached make sure that the hole in the adaptor is clear of any excess glue. Allow drying as per the instructions for the glue. Wrap the threads of the sensor using Teflon plumbers tape and install the sensor. Tighten by hand. It is not recommended to install the sensor in the bottom of the tank. Although the sensor will operate correctly it will provide an area for debris to collect which would be difficult to flush out.

**Top mount adaptor**
(tube not supplied)

The top-mounting adaptor requires 3/4” ABS or PVC pipe cut to the proper length so that the pipe is about 1/2” from the bottom of the tank. This pipe glues into the adaptor and the sensor screws into the top of the adaptor. It is held on with 2 self-tapping screws. Care must be taken that the sensor threads are sealed with Teflon tape and screwed in tight to ensure no air leaks, as the tube must remain pressurized.

**Sidewall adaptor**

The sensor will be damaged if subject to over pressure during installation, caused by compressing the small air gap between the sensor and the ball valve. **DO NOT PRESSURIZE TANK WITH SENSOR FITTED**
Sensor Programming Instructions

Placing the unit in Calibrate Mode

Press and hold down the Backlight key now press and hold the Scroll key. Hold together for 3 seconds. This will bring you to the Set-Up Menu.

<table>
<thead>
<tr>
<th>SET-UP MENU</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROGRAM INPUT</td>
</tr>
<tr>
<td>CALIBRATE</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>SET ALARM</td>
</tr>
<tr>
<td>SET TANK VOL</td>
</tr>
<tr>
<td>ERASE INPUT</td>
</tr>
<tr>
<td>EXIT MENU</td>
</tr>
</tbody>
</table>

Use the Scroll or Backlight key to scroll to “Calibrate” and press the Pump Key. This will bring you to the Calibrate Menu.

The display will now show:

Tank Name ?
Select Input 1

Use the Scroll or Backlight key to scroll to the tank input requiring calibrating. Press the Pump key once the input to be calibrated has been found.

The display will now show:

<table>
<thead>
<tr>
<th>CALIBRATE MENU</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESSURE</td>
</tr>
<tr>
<td>ULTRA-SONIC</td>
</tr>
<tr>
<td>10 – 180 OHM</td>
</tr>
<tr>
<td>33 – 240 OHM</td>
</tr>
<tr>
<td>OTHER SENDER</td>
</tr>
<tr>
<td>TOP ONLY</td>
</tr>
<tr>
<td>BOTTOM ONLY</td>
</tr>
<tr>
<td>EXIT MENU</td>
</tr>
</tbody>
</table>

Use the Scroll or Backlight key to scroll through the list of sensor options. Once you have found the appropriate sensor type, press the Pump key.

If Pressure is selected the display will now show:

Calibration Mode
< 2 Pt 5 Pt>

Two different methods of tank programming are available if using the pressure sensor:

2 Point Calibration: sets tank low and high points which can only be used if the tank is a regular shape.
5 Point Calibration: sets tank low, tank quarter, tank half, tank three quarters and tank full points, offering more accuracy if the tank is an irregular shape.

Press the Scroll or Backlight key to select either 2 or 5 Point Calibration.
2 Point Calibration: (Bottom & Top)

The display will now show:

Fill the tank to the required TANK LOW LEVEL, minimum suggested is liquid just covering the sensor. Wait for approx. 60 seconds for the fluid to settle and press the Pump key. The display will show “Setting Empty Please Wait”.

The display will now show:

Fill the tank to the TANK HIGH LEVEL. Wait for approx. 60 seconds for the fluid to settle and press the Pump key. The display will show “Setting Full Please Wait”. When the system has finished calculating, (could take a few moments) the display will show “Calibration Finished” and the system will return you to the Set-Up Menu.

Once back at the Set-Up Menu repeat this process. This must be repeated for all additional Inputs.

If no fluid is added the display will show:

For more information see “Calibration Tips & Tricks” on our web site www.smartswitch.co.nz
5 Point Calibration: (Bottom, ¼, ½, ¾ & Top)

The display will show:

Set Empty Point
Input = ???? v
Voltage from Sensor (see table 1 page 19)

Fill the tank to the required TANK LOW LEVEL, minimum suggested is liquid just covering the sensor. Wait for approx. 60 seconds for the fluid to settle and press the Pump key. The display will show “Setting Empty Please Wait”.

The display will now show:

Set 1/4 Point
Input = ???? v
Voltage from Sensor (see table 1 page 19)

Fill the tank to the 1/4 LEVEL. Wait for approx. 60 seconds for the fluid to settle and press the Pump key. The display will show “Setting 1/4 Please Wait”.

The display will now show:

Set 1/2 Point
Input = ???? v
Voltage from Sensor (see table 1 page 19)

Fill the tank to the 1/2 LEVEL. Wait for approx. 60 seconds for the fluid to settle and press the Pump key. The display will show “Setting 1/2 Please Wait”.

The display will now show:

Set 3/4 Point
Input = ???? v
Voltage from Sensor (see table 1 page 19)

Fill the tank to the 3/4 LEVEL. Wait for approx. 60 seconds for the fluid to settle and press the Pump key. The display will show “Setting 3/4 Please Wait”.

Fill the tank to the 3/4 LEVEL. Wait for approx. 60 seconds for the fluid to settle and press the Pump key.

The display will show:
The display will now show:

Fill the tank to the FULL LEVEL. Wait for approx. 60 seconds for the fluid to settle and press the Pump key. The display will show “Setting Full Please Wait”. When the system has finished calculating, (could take a few moments) the display will show “Calibration Finished” and the system will return to the Set-Up Menu.

Once back at the Set-Up Menu repeat this process. This must be repeated for all additional Inputs.

If no fluid is added between each step the display will show:

For more information see “Calibration Tips & Tricks” on our web site www.smartswitch.co.nz

If Ultra-Sonic is selected: the display will show “Calibration Finished” and the system will return to the Set-Up Menu. This is because the Ultra-Sonic sensor is to be pre-calibrated with its own hardware/software.

NOTE - Please see Programming Instructions for Ultra-Sonic sensor in the manual supplied with the sensor.

If 10-180 Ohm is selected: the display will show “Calibrating Please Wait”. When the system has finished calculating, (could take a few moments) the display will show “Calibration Finished” and the system will return to the Set-Up Menu.

If 33-240 Ohm is selected: the display will show “Calibrating Please Wait”. When the system has finished calculating, (could take a few moments) the display will show “Calibration Finished” and the system will return to the Set-Up Menu.

If Other Sender is selected: this is the same as selecting Pressure – see instructions for Pressure on page 15.

After calibrating the bottom and top settings of a tank you may wish to go back and change either of these settings individually.

If Top Only is selected: the system will read the current level of the tank and calibrate this as the top level for that particular tank. The system will then return to the Set-Up Menu.

If Bottom Only is selected: the system will read the current level of the tank and calibrate this as the bottom level for that particular tank. The system will then return to the Set-Up Menu.

To Exit from the Calibrate Menu: scroll down to “Exit Menu” and press the Pump key. This will take you out of the Calibrate Menu and return you to the Set-Up Menu.
Table 1:

Smart Switch strongly recommends that Table 1 be filled out at time of tank calibration when a Pressure sender is being used.

These voltages will be displayed during the calibration setup.

Reason: Should the TD-4000 ever need to be replaced all tanks will need to be re-calibrated, but if table 1 has been filled out then creating these input voltages can be done without even the tank sender connected, making the process very simple.

```
<table>
<thead>
<tr>
<th>Inputs</th>
<th>Tank Name</th>
<th>Empty</th>
<th>1/4</th>
<th>1/2</th>
<th>3/4</th>
<th>Full</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```