FloTech
FT555PA/PW
Automatic Truck Overfill System Tester

**Optic Systems
Thermistor Systems
Ground Continuity System
Truck ID Module**

10902PA REV B

**Dixon
Dixon Bayco Division
Cincinnati, Ohio**

CAUTION:

The FT555PA/PW is not certified as suitable for use in a Class I Division 1 hazardous location. You should avoid use in explosive or flammable atmospheres.

Troubleshooting:

a) **Should the FT555PA/PW fail to start or shut down during use, check the battery indicator on the welcome screen and or replace the batteries.**

b) **Should the FT555PA/PW appear to freeze, remove the batteries to force the unit to power down. Reinstall the batteries and begin test procedure. By removing the batteries you will force the FT555PA/PW to restart back to the Initial screen.**

Technical Support Hotline
(877) 582-3569

Contact the FloTech Technical Support Hotline for help:
- Troubleshooting overfill systems.
- Verifying defective components
- To request an RGA for defective FloTech products Under warranty.

J560 Socket Test Cable

Step 1) Attach the J560 Socket test cable to the adapter socket using the small circular plastic connection. **Hand tighten only.**

Step 2) Connect the alligator J560 socket cable to the J560 socket.

Step 3) Press test select to select between optic and therm tests.

Step 4) Press GO to perform a single test.

Table of Contents

Introduction

This Manual describes the features, use, and maintenance of the FT555PA/PW Automatic Truck Overfill System Tester. The FT555PA/PW is compatible with all makes of Optic sensor systems, 2 wire Thermo-Optic systems, and truck onboard monitor systems regardless of manufacture as long as they are compatible with API RP1004: 2003 recommended practice.

FT555PA/PW Testers come in two variations:

- **Option 1 (FT555PA) is for all US markets.**
- **Option 2 (FT555PW) is for all Non-US markets.**

Main Features

The FloTech FT555PA/PW Automatic Truck Overfill System Tester has the following features:

- Automatically test all 4 test functions, Optic, Thermistor, Ground Bolt or Ground Continuity, and TIM number.
- Test all API 5 wire optic sensor systems and report the number of functional / wetted sensors*.
- Test 2 wire Thermo–Optic sensors and report the number of functional / wetted sensors*.
- Monitors up to eight compartments.
- Test Ground Bolts with both forward and reverse continuity check.
- Read Truck ID Modules and report serial number in display
- Perform "WET TEST" to report when sensors are wetted using integrated Alarm.
- Configure auto test to perform all selected tests at once.
- Configure maximum number of compartments.
- Software can be upgraded to include new tests and future expanded testing and troubleshooting capability.

* Optic and Thermistor tests will only indicate correct number of functional / wetted sensors for systems without an onboard monitor.

Continuity Test Cable

Step 1) Attach the continuity test cable to the adapter socket using the small circular plastic connection. **Hand tighten only.**

Step 2) Open the trailer socket to expose the wire connections made to the socket pins.

Step 3) Connect the alligator clips to the back of pins 9 and 10.

Step 4) Press GO to perform a single test for pin 9/10 continuity.

FT555PW, Cable Kit User Instructions

Step 1) Choose any of the following cables to use with the FT555PW and reference their page numbers for instructions on use.

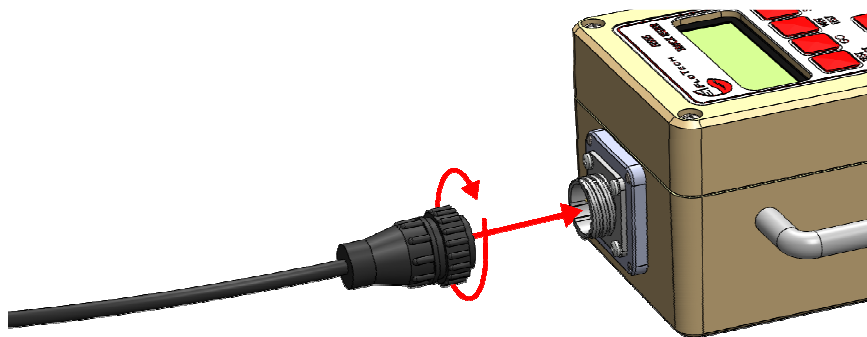| Cable Type	Instructions Found on
a) API Extension Test Cable	-page, 25
b) Therm Sensor Test Cable	-page, 27
c) Continuity Test Cable	-page, 35
d) Ground Unit Test Cable	-page, 29
e) 5 Wire P&P Test Cable	-page, 30
f) J560 Socket Test Cable	-page, 36
g) Optic Sensor Test Cable	-page, 31
h) Plug and Play Test Cable	-page, 26

All test cables are to be connected as shown below

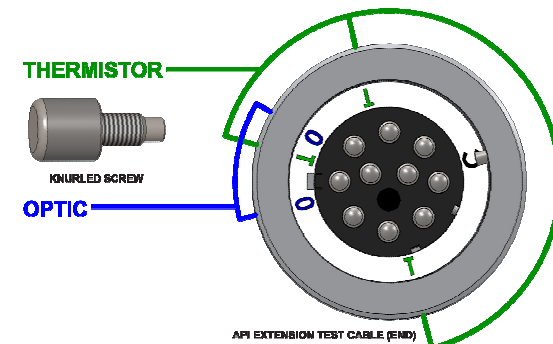**Fig. 1 FT555PA/PW Automatic Truck Tester**

Fig. 2 FT555PA/PW API Connector Setup

FT555PA/PW Indicators

A) LCD SCREEN
The LCD screen is the main display where test selection, test results, and test instructions are displayed. Screen backlight is enabled using the ON/OFF button.

B) ON/OFF BUTTON
Press this button to turn the FT555PA/PW Automatic Truck Tester on and off. The unit will automatically turn off after 10 minutes. Press and hold this button for 2 seconds and the backlight will illuminate.

C) TEST SELECT BUTTON
Press this button to cycle through the available tests.

D) GO BUTTON
Press this button to start the selected test.

E) WET TEST BUTTON
Press this button while in the Optic or Thermistor Test mode and the wet test feature will begin. Pressing any button will stop the wet test.

F) SETUP BUTTON
Press this button to enter the set up screens.

G) BATTERY DOOR
Twist to open, hold two D cells, positive points towards battery door (out).

H) ALARM
Audible alarm sounds when FT555PA/PW Automatic Tester is in WET TEST mode and sensor is wetted.

I) API PLUG ADAPTOR SOCKET
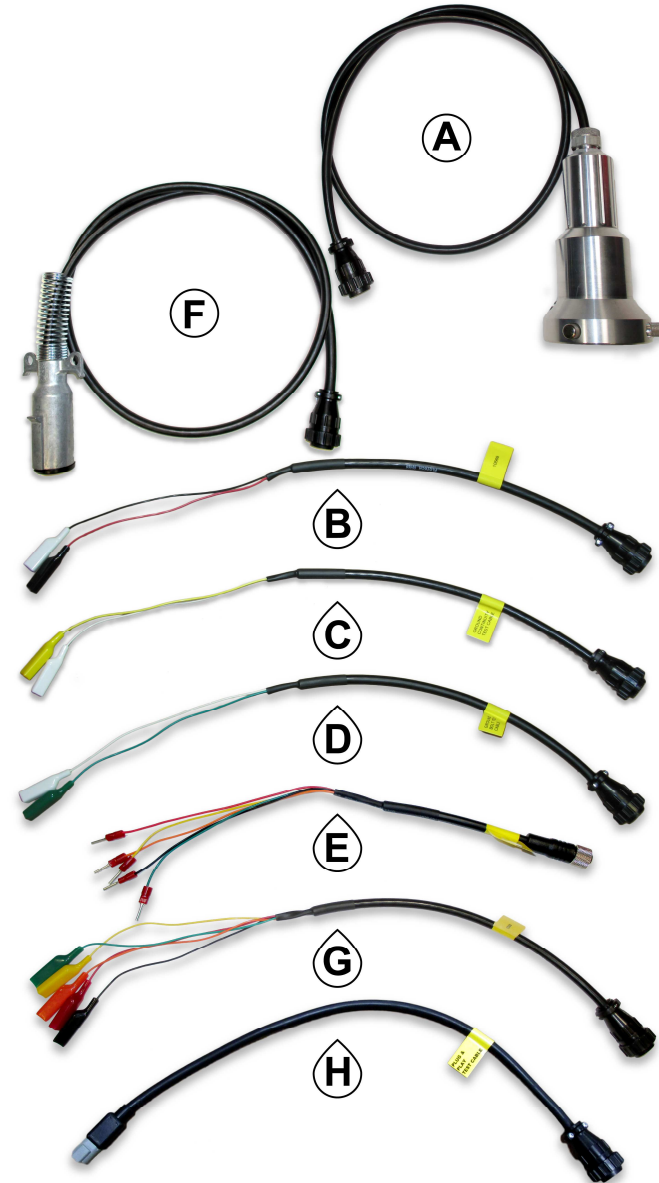Compatible with API extension test cable.

FT555PW Accessory Cable Kit

Fig. 2   ACCESSORY KIT CONTENTS

TRAILER TEST

A) API EXTENSION TEST CABLE
Use this cable to connect the FT555PA/PW to an API socket located in a small space or within a cabinet. By using this extension, the tester is free to sit wherever is convenient for the user.This test cable will allow all testing of your trailer through the installed API Socket.

INDIVIDUAL COMPONENT TEST

B) THERMISTOR SENSOR TEST CABLE
Use this cable to connect the FT555PA/PW directly to one 2-wire thermistor sensor.

C) CONTINUITY TEST CABLE
Use this cable to verify that pin 10 of the API socket has continuity to the trailer chassis.

D) GROUND UNIT TEST CABLE
Use this cable to connect the FT555PA/PW directly to a groundbolt, groundball, or ground wire.

E) 5 WIRE PLUG AND PLAY ADAPTER
Use this cable in combination with the optic sensor cable to connect to one 5-wire plug and play sensor.

F) J560 SOCKET TEST CABLE
Use this cable to connect the FT555PW directly to a J560 socket.

G) OPTIC SENSOR TEST CABLE
Use this cable to connect the FT555PA/PW directly to one or more 5-wire optic sensors.

H) PLUG AND PLAY TEST CABLE
Use this cable to connect the FT555PA/PW directly to one plug and play sensor.
*Tester is incompatible with the following thermistors: Scully SP-BL, SP-BLU, SP-BLH, Civacon Liberty 1510-160

Unpack Unit and Initial Setup
Step 1) When unpacking the FT555PA/PW Automatic   Truck Tester you will find the following:
- a) FT555PA/PW Automatic Truck Tester
- b) Two "D" size batteries
- c) Cable Kit
    - PA style see pg. 21
    - PW style see pg. 31
- d) This instruction manual

Step 2) Remove the battery door by turning counter clock wise until door opens. Insert two "D" size batteries with positive battery terminal facing out of the opening. Reinstall battery door by turning clockwise.

DO NOT FORCE BATTERY DOOR OPEN OR CLOSE

Power On/Off
Press the ON/OFF button once to turn the tester on. Push the button again to turn the tester off. The tester has a display back light for dark conditions. After turning on the tester, press and hold the ON/OFF button for 2 seconds and the back light will turn on. Press and hold again for 2 seconds and the back light will turn off.

## Initial Screen
Press the ON/OFF button once. The FT555PA/PW will show the screen below:

```
 FT555 Truck Tester

    Version X.XX
Battery Status █████
```
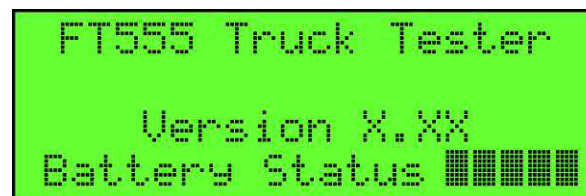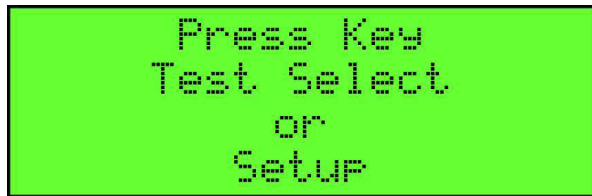
This screen will be displayed every time the FT555PA/PW Automatic Truck Tester is turned on.

The Initial Screen shows the version software the FT555PA/PW is running and the battery health status in bars. 5 bars represent full battery capacity. If 2 or less bars are displayed, a warning beep will sound and a warning message will flash for a few seconds. Batteries should be changed at your next convenience.

```
FT555 Truck Tester

Version X.XX
WARNING: Battery Low
```
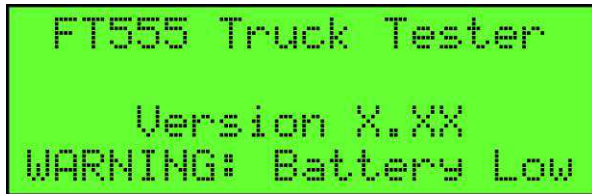
If the screen below is shown, see Selecting Test Option on pg. 13.

```
Press Key
Test Select
or
Setup
```

If the screen above did not show, then you will see the screen shown below:

```
Initial System Setup
```
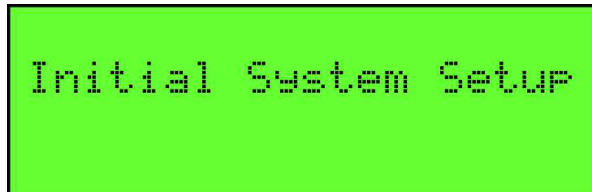
FT555PW, Cable Kit Main Features

The FloTech FT555PW has the following capabilities through the API Extension Test Cable:

- Test trailers with API socket connections located in an enclosed cabinet.

- Test trailers with API socket connections located in tight, or hard-to-reach location.

The FloTech FT555PW has the following capabilities through the individual component Test Cables:

- Test individual 5 wire optic sensors.

- Test individual 5 wire plug and play sensors.

- Test individual 2 wire thermistor sensors.

- Test individual plug and play sensors.

- Test individual GroundBolts, GroundBalls, and groundwires.

- Test continuity between two points.

- Test systems featuring a J560 socket.

Optic Sensor Test Cable

Step 1) Attach the optic sensor test cable to the adapter socket using the small circular plastic connection. **Hand tighten only.**

Step 2) Connect each of the 5 alligator clips to the appropriately colored wire on an optic sensor or string or sensors. (**Matching colors**)
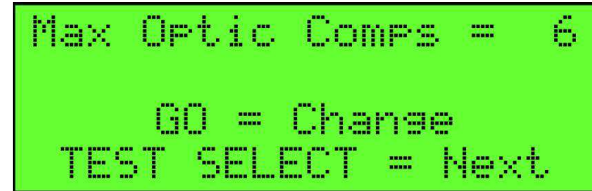
Step 3) Press GO to perform a single test or WET TEST for continuous testing of the sensor or sensors.

Setup Instructions

At the "Press Key" screen pressing the SETUP key will enter the setup mode. The first option will be:

MAX OPTIC COMPS =
Press the GO button to toggle between 6 and 8 maximum number of compartments. Generally the USA has a maximum of 6 compartments signals per one socket and Canada or European regions will have a maximum of 8. Once the correct number of maximum compartments is displayed, press TEST SELECT button to move to the next SETUP screen.

```
Max Optic Comps =  6

     GO = Change
  TEST SELECT = Next
```

MAX THERM COMPS =
Press the GO button to toggle between 6 and 8 maximum number of compartments. Generally the USA has a maximum of 6 compartments signals per one socket and Canada or European regions will have a maximum of 8. Once the correct Maximum Compartments count is showing, press TEST SELECT button to move to the next SETUP screen.

```
Max Therm Comps =  6

     GO = Change
  TEST SELECT = Next
```

AutoTest Optic/Therm

Some regions may not have a need to test optic or thermistor type systems as none are found in that region. Example, trailers in California do not have Thermistor sockets so there is no need to perform the Thermistor test. In this case the Optic test would be enabled.

This screen will enable or disable the Optic or Thermistor tests when performing an automatic test of the trailer overfill system. This configuration is only for the automatic testing mode. All four tests are available in the manual test selection.

Press the "GO" button to choose between "Enable BOTH", "Enable OPTIC" or "Enable THERM" Press the "TEST SELECT" button to move to the next screen.

```
AutoTest Optic/Therm
     Enable BOTH
     GO = Change
TEST SELECT = Next
```
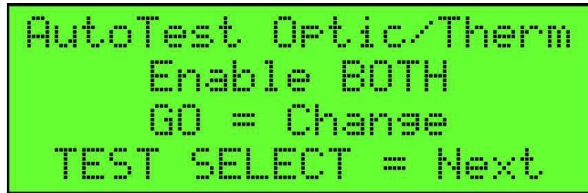
Auto Test Ground Continuity System

PW Version

1. Press GO to select either Ground Bolt or Continuity. Once the selection has been made, press TEST SELECT to move to the next screen. See step 2 for Continuity or step 3 for Ground Bolt.

```
Config Ground Test
 ENABLE GroundBolt
     GO = Change
TEST SELECT = Done
```

5 Wire Plug and Play Test Cable

Step 1) Attach the optic sensor test cable to the adapter socket using the small circular plastic connection. **Hand tighten only.**

Step 2) Connect the included 5 wire plug & play adapter to the plug and play sensor or string of plug and play sensors.

Step 3) Connect each of the 5 alligator clips on the optic sensor test cable to the appropriately colored wires on the 5 wire plug & play adapter as shown below.(**Matching colors**)

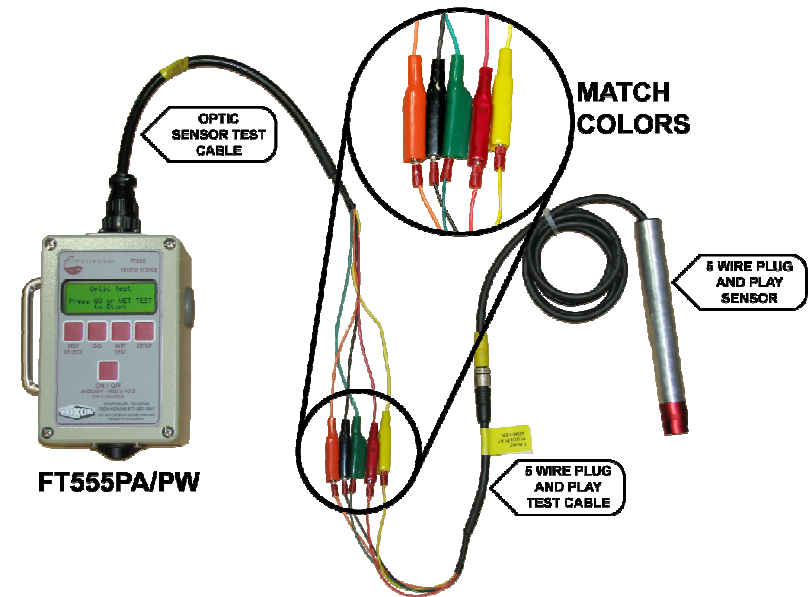**Step 4)** Press GO to perform a single test or WET TEST for continuous testing of the sensor.

Ground Unit Test Cable

Step 1) Attach the Ground Unit test cable to the adapter socket using the small circular plastic connection. **Hand tighten only.**

Step 2) Connect both alligator clips to the appropriately colored wires on a GroundBolt/Groundball/GroundWire.

    a) **White alligator clip** should be connected to the body of a Groundball or Groundbolt, or the white wire of a GroundWire.

    b) **Green alligator clip** should be connected to the Green Cathode wire on all ground units.

Step 3) Press GO to perform a single test of the Ground Unit.

2. **Continuity**
   If you selected Continuity, the screen below will be shown, press GO to Enable or Disable the Auto Test function. Press TEST SELECT to move to the Automatic Test Screen, see Performing Automatic Test Function on pg. 11.

```
AutoTest Continuity
  ENABLE Continuity
     GO = Change
TEST SELECT = Done
```

3. **Ground Bolt**
   If you selected Ground Bolt, the screen below will be shown, press GO to Enable or Disable the Auto Test function. Press TEST SELECT to move to the Automatic Test screen, see Performing Automatic Test Function on pg.11.

```
AutoTest GroundBolt
 Enable GroundBolt
     GO = Change
TEST SELECT = Next
```
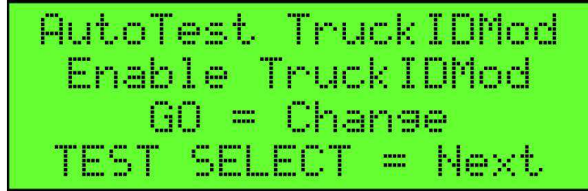
PA Version

Press GO to Enable or Disable the Auto Test function. Press TEST SELECT to move to the Auto Test Truck ID screen.

```
AutoTest GroundBolt
 Enable GroundBolt
     GO = Change
TEST SELECT = Next
```

Auto Test Truck ID Module

Press the "GO" button to ENABLE or DISABLE the Truck ID Module test during the automatic testing. PRESS "TEST SELECT" button to exit the SETUP mode and return you to the "PRESS KEY TEST SELECT" screen.

```
AutoTest TruckIDMod
  Enable TruckIDMod
     GO = Change
TEST SELECT = Next
```

Performing Automatic Test Function

This test option will automatically test all of the available test options previously enabled in the setup procedure above, and report the findings in a PASS / FAIL screen.
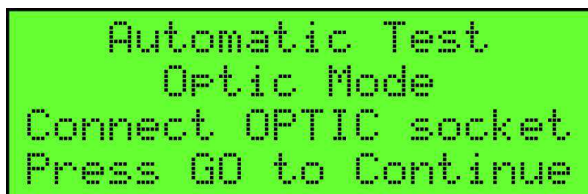
Step 1) Connect API Extension Test Cable
Step 2) Press the ON/OFF button to turn on the FT555PA/PW Automatic Truck Tester. When "Press Key" screen appears press "TEST SELECT" button one time so the "Automatic Test" screen appears.
Step 3) Press the "GO" button to start the test. Follow the prompts listed in the display screen.

```
  Automatic Test

Press GO to Start
```

```
  Automatic Test
    Optic Mode
Connect OPTIC socket
Press GO to Continue
```

TIM Unit Test Cable

Step 1) Attach the TIM Unit test cable to the adapter socket using the small circular plastic connection. **Hand tighten only.**

Step 2) Connect both alligator clips to the appropriately colored wire on a TIM Unit.

Step 3) Press GO to perform a single test of the TIM Unit.

Therm Sensor Test Cable

Step 1) Attach the 2-Wire Sensor test cable to the adapter socket using the small circular plastic connection. **Hand tighten only.**

Step 2) Connect both alligator clips to the appropriately colored wires on a thermistor sensor.

   a) **For Black and White sensors**: Connect the white and black alligator clips to the white and black wires of the sensor, respectively. Disregard color of tester cables.

   b) **For Red and Black sensors**: Connect the alligator clips corresponding to the red and black wires on the tester to the respective red and black wires of the sensor. Disregard color of alligator clips.

Step 3) Press GO to perform a single test or WET TEST for continuous testing of the sensor or sensors.

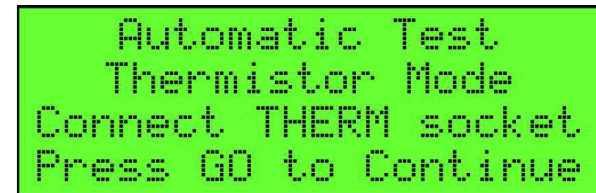**Step 4)** Move the J slot screws to match the J-Slot configuration of the optic socket.

Step 5) Connect the tester to the optic socket.

Step 6) Press go button to start the test.

Step 7) Once the optic portion of the test is complete disconnect the tester from the optic socket.

Step 8) Move the J-Slot Screws to match the configuration of the Thermistor socket.

Step 9) Connect the tester to the thermistor socket and press the go button to start the thermistor portion of the test.

```
    Automatic Test
    Thermistor Mode
 Connect THERM socket
 Press GO to Continue
```

The tester will automatically perform the ground bolt and/or pin 9/10 continuity, and/or Truck ID Module tests if these options are activated and enabled in the set up screen.

If the tester encounters a failure during any portion of the automatic test it will halt and display the failure on the display.

When the test is complete the Screen will display the PASS / FAIL status of each test performed.

```
      Optic -- Fail
       Therm -- PASS
   GroundBolt -- PASS
 Truck ID Mod -- PASS
```

Step 10) Press the "TEST SELECT" button to move on to a new test, press "GO" to restart the test, or press the "ON/OFF" button to turn the tester off.

Selecting Test Option

When at the "Press Key" screen, each time the TEST SELECT button is pressed the tester will cycle through each of the five available testing modes:

AUTOMATIC TEST
OPTIC TEST
THERMISTOR TEST
GROUND BOLT OR CONTINUITY TEST
TRUCK ID MODULE TEST

Optic Test

The API Optic signal from the trailer mounted sensors or onboard monitor will be tested and report a Pass/ Fail.

OPERATION NOTE:
This test will also report the number of good sensors IF THE SENSORS ARE WIRED DIRECTLY TO THE SOCKET AND NO ONBOARD MONITOR IS USED. Should your trailer have an onboard monitor the tester will test the Onboard Monitor as if it were a single sensor. The status of sensor connected to an Onboard Monitor does not pass through the monitor to the socket.

Step 1) Connect the API Extension or J560 Extension Test Cable.
Step 2) Move the J-Slot thumb screws to the correct holes to match the type of socket to be connected. Follow the "O" and "T" markings on the plug body. Refer to Figure 2, on page 4.
Step 3) Connect the FT555PA/PW Automatic Truck Tester to the trailer socket.
Step 4) Press the ON/OFF button to turn on the FT555PA/PW Automatic Truck Tester. When "Press Key" screen appears press "TEST SELECT" button two times so the "Optic Test" screen appears.

Plug & Play Test Cable

Step 1) Attach the Plug & Play test cable to the adapter socket using the small circular plastic connection. **Hand tighten only.**

Step 2) Connect the Plug & Play test cable to the Plug & Play thermistor sensor.

Step 3) Press GO to perform a single test or WET TEST for continuous testing of the sensor or sensor.

Note: If testing a competitors Plug and Play sensor, please order Dixon Bayco part number: 10688-002 Plug and Play gender test adapter.

API Extension Test Cable

Step 1) Attach the API extension test cable to the adapter socket using the small circular plastic connection. **Hand tighten only.**

Step 2) Move the 3 J-slot thumb screws on the end of the API extension cable to match the socket it will be attached to. Refer to figure 2, on page 5.

**Step 3)** Connect the API extension cable to the desired socket.

Step 4) Use FT555PA/PW as normal. Refer to pg. 13 for information on how to perform each test.

Step 5) Press the "GO" button to start the test. When the test is complete the screen will display the PASS / FAIL status and a wet/dry status for each of the compartments enabled during the setup. A square under the number indicates a dry sensor or a dash under the number indicates a wet or missing sensor. If connected to an Onboard Monitor dashed lines will show and no black bars.

Step 6) Press the "TEST SELECT" button to move on to a new test, press "GO" to restart the test, or press the "ON/OFF" button to turn the tester off.

```
         Optic Test
        Test PASSED
    Compartment 123456
    Status       ██████
```
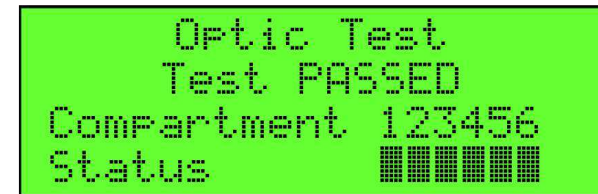
Optic pass when connected to sensors is shown above. A black square will be shown for each dry working sensor.

```
         Optic Mode
        Test PASSED
    Compartment 123456
    Status       ──────
```
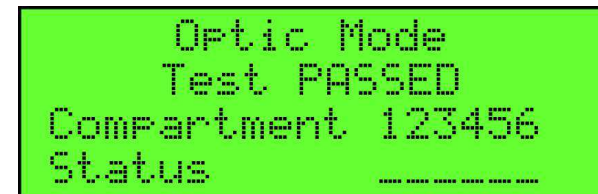
Optic pass when connected to an onboard monitor will show dashes for sensor status. Onboard monitors do not have a diagnostic connection to the rack monitor and do not pass the number of good sensors through the onboard monitor to the socket.

Thermistor Test

The API Thermistor signal from the trailer mounted sensors or onboard monitor will be tested and report a Pass/ Fail.

OPERATION NOTE:
This tester is not compatible with the old style analog "green or silver tipped sensors. These devices require the FT510 tester.

Step 1) Connect API Extension Test Cable
Step 2) Move the J-Slot thumb screws to the correct holes to match the type of socket to be connected. Follow the "O" and "T" markings on the plug body. Refer to Figure 2, on page 4.
Step 3) Connect the FT555PA/PW Automatic Truck Tester to the trailer socket.
Step 4) Press the ON/OFF button to turn on the FT555PA/PW Automatic Truck Tester. When "Press Key" screen appears press "TEST SELECT" button three times so the "Thermistor Test" screen appears.
Step 5) Press the "GO" button to start the test. When the test is complete the screen will display the PASS / FAIL status and a wet/dry status for each of the compartments enabled during the setup. A square under the number indicates a dry sensor or a dash under the number indicates a wet or missing sensor. If connected to an Onboard Monitor dashed lines will show and no black bars.
Step 6) Press the "TEST SELECT" button to move on to a new test, press "GO" to restart the test, or press the "ON/OFF" button to turn the tester off.

```
   Thermistor Mode
     Test PASSED
Compartment 123456
Status        ██████
```

FT555PA, Cable kit User Instructions

Step 1) Choose any of the following cables to use with the FT555PA and reference their page numbers for instructions on use.

Cable Type	Instructions Found on
a) API Extension Test Cable	-page, 25
b) Therm Sensor Test Cable	-page, 27
c) TIM Unit Test Cable	-page, 28
d) Ground Unit Test Cable	-page, 29
e) 5 Wire P&P Test Cable	-page, 30
f) Optic Sensor Test Cable	-page, 31
g) Plug and Play Test Cable	-page, 26

All test cables are to be connected as shown below
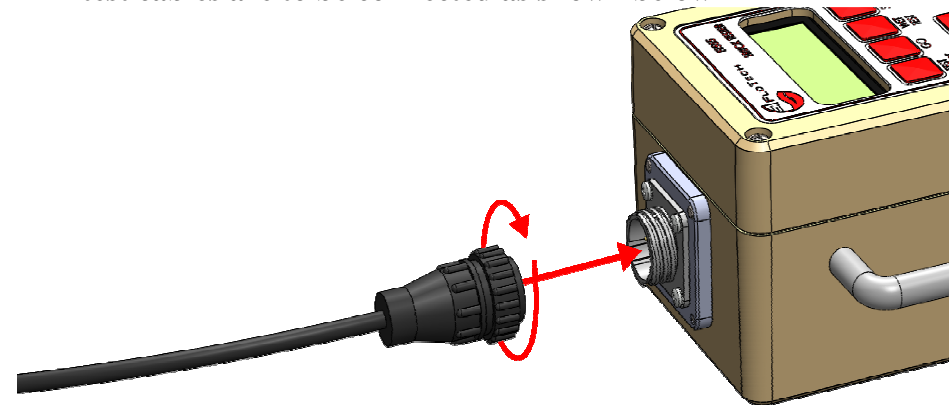
FT555PA Accessory Cable Kit
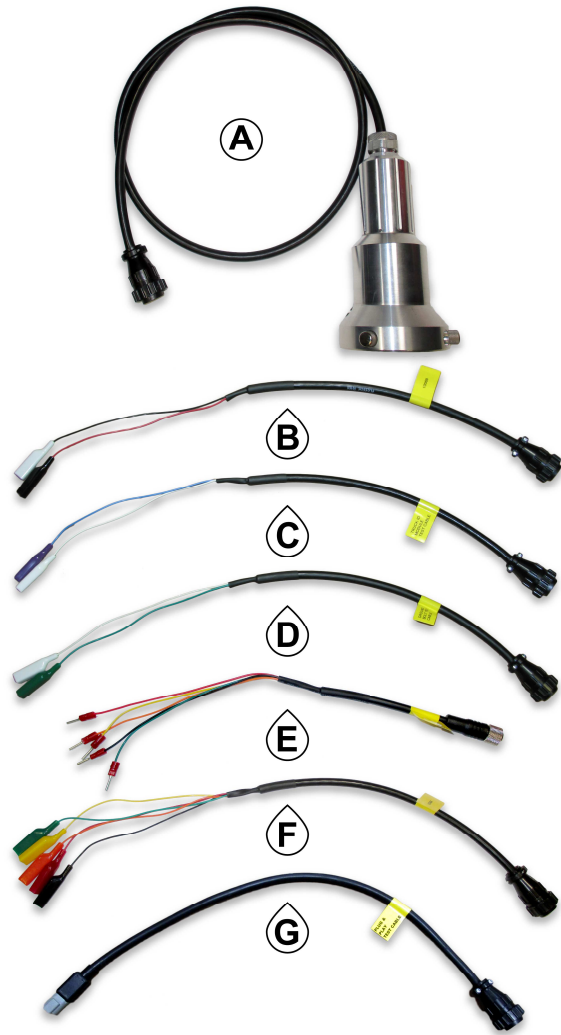

(A)

(B)

(C)

(D)

(E)

(F)

(G)

Fig. 1   ACCESSORY KIT CONTENTS

Ground Bolt Test

The Ground Bolt will be tested using the forward and reverse test to confirm proper operation of the diode inside the ground bolt. The tester will report a Pass/ Fail.

Step 1) Connect API Extension Test Cable

Step 2) Move the J-Slot thumb screws to the correct holes to match the type of socket to be connected. Follow the "O" and "T" markings on the plug body. Refer to Figure 2, on page 4.

Step 3) Connect the FT555PA/PW Automatic Truck Tester to the trailer socket.

Step 4) Press the ON/OFF button to turn on the FT555PA/PW Automatic Truck Tester. When "Press Key" screen appears press "TEST SELECT" button four times so the "Ground Bolt Test" screen appears.

Step 5) Press the "GO" button to start the test. When the test is complete the screen will display the PASS / FAIL status.

Step 6) Press the TEST SELECT" button to move on to a new test, press "GO" to restart the test, or press the "ON/OFF" button to turn the tester off.


```
GroundBolt Test


Test Passed
```

Pin 9/10 Continuity Test (PW version)

Pins 9 and 10 of the API socket will be tested for continuity and the result of the test will be shown as PASS or FAIL on screen.
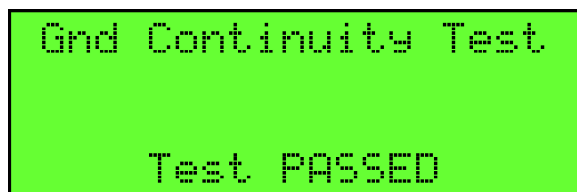
Step 1) Move the J-Slot thumb screws to the correct holes to match the type of socket to be connected. Follow the "O" and "T" markings on the plug body.

Step 2) Connect the FT555 Automatic Truck Tester to the trailer socket.

Step 3) Press the ON/OFF button to turn on the FT555 Automatic Truck Tester. When "Press Key" screen appears press "TEST SELECT" button four times so the "Ground Continuity Test" screen appears.

Step 4) Press the "GO" button to start the test. When the test is complete the screen will report either "PASS" or "FAIL".

Step 5) Press the TEST SELECT" button to move on to a new test, press "GO" to restart the test, or press the "ON/OFF" button to turn the tester off.

```
Gnd Continuity Test


      Test PASSED
```

TRAILER TEST

A) API EXTENSION TEST CABLE
Use this cable to connect the FT555PA/PW to an API socket located in a small space or within a cabinet. By using this extension, the tester is free to sit wherever is convenient for the user. This test cable will allow all testing of your trailer through the installed API Socket.

INDIVIDUAL COMPONENT TEST

B) THERMISTOR SENSOR TEST CABLE
Use this cable to connect the FT555PA/PW directly to one 2-wire thermistor sensor.

C) TIM UNIT TEST CABLE
Use this cable to connect the FT555PA directly to a truck identification module.

D) GROUND UNIT TEST CABLE
Use this cable to connect the FT555PA/PW directly to a groundbolt, groundball, or ground wire.

E) 5 WIRE PLUG AND PLAY TEST CABLE
Use this cable in combination with the optic sensor cable to connect to one 5-wire plug and play sensor.

F) OPTIC SENSOR TEST CABLE
Use this cable to connect the FT555PA/PW directly to one or more 5-wire optic sensors.

G) PLUG AND PLAY TEST CABLE
Use this cable to connect the FT555PA/PW directly to one plug and play sensor.

*Tester is incompatible with the following thermistors: Scully SP-BL, SP-BLU, SP-BLH, Civacon Liberty 1510-1600

FT555PA, Cable Kit Main Features

The FloTech FT555PA has the following capabilities through the API Extension Test Cable:

- Test trailers with API socket connections located in an enclosed cabinet.

- Test trailers with API socket connections located in tight, or hard-to-reach location.

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The FloTech FT555PA has the following capabilities through the individual component Test Cables:

- Test individual 5 wire optic sensors.

- Test individual 5 wire plug and play sensors.

- Test individual 2 wire thermistor sensors.

- Test individual plug and play sensors.

- Test individual GroundBolts, GroundBalls, and GroundWires.

- Test individual Truck Identification Modules.

Truck ID Module Test (PA version)

The Truck ID Module will be tested and report the 12 digit serial number stored inside the ID module. If there is no Truck ID Module or the test fails the screen will show "TIM not found"
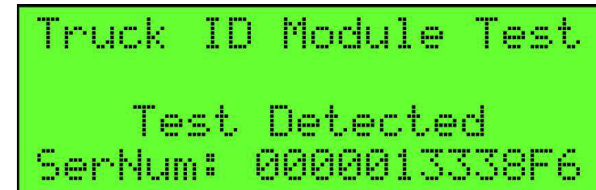
Step 1) Connect API Extension Test Cable

Step 2) Move the J-Slot thumb screws to the correct holes to match the type of socket to be connected. Follow the "O" and "T" markings on the plug body. Refer to Figure 2, on page 4.

Step 3) Connect the FT555PA/PW Automatic Truck Tester to the trailer socket.

Step 4) Press the ON/OFF button to turn on the FT555PA/PW Automatic Truck Tester. When "Press Key" screen appears press "TEST SELECT" button five times so the "Truck ID Module Test" screen appears.

Step 5) Press the "GO" button to start the test. When the test is complete the screen will report the 12 digit serial number or show "TIM not found".

Step 6) Press the TEST SELECT" button to move on to a new test, press "GO" to restart the test, or press the "ON/OFF" button to turn the tester off.

```
Truck ID Module Test

     Test Detected
SerNum: 0000013338F6
```

Optic and Thermistor Wet Test

NOTE: THE WET TEST FUNCTION IS INTENDED TO BE USED ON WORKING SYSTEMS. IF THE SYSTEM HAS A PROBLEM IT MUST BE REPAIRED BEFORE USING WET TEST.

Step 1) Connect API Extension Test Cable

Step 2) Move the J-Slot thumb screws to the correct holes to match the type of socket to be connected. Follow the "O" and "T" markings on the plug body for optic and thermistor style sockets, respectively. Refer to Figure 2, on page 4.

Step 3) Connect the FT555PA/PW Automatic Truck Tester to the trailer socket.

Step 4) Press the ON/OFF button to turn on the FT555PA/PW Automatic Truck Tester. When "Press Key" screen appears press "TEST SELECT" button until the "Optic Test" or "Thermistor Test" screen appears, depending on the socket the tester is connected to.

Step 5) Press "WET TEST" button to begin the wet test.

```
   Optic Wet Test
    Test Running

    Sensor Wet
```
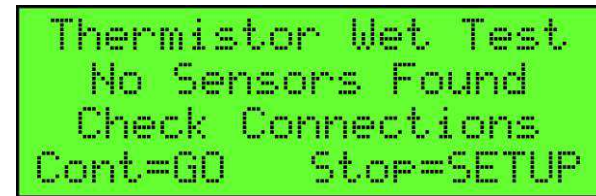
```
 Thermistor Wet Test
    Test Running

    Sensor Dry
```

Step 6) The FT555PA/PW will repeatedly test for the presence of any wet sensors connected to the socket.

Step 7) Dip test a compartment and listen for a number of beeps corresponding to the compartment number that was dipped. The display will also indicate the compartment number of the wet sensor*.

Step 8) Continue testing each compartment.

Step 9) Stop the wet test by pressing any key.

```
 Thermistor Wet Test
   No Sensors Found
   Check Connections
Cont=GO    Stop=SETUP
```

NOTE: IF THE TESTER DOES NOT SEE ANY SENSORS OR IS NOT CONNECTED, IT WILL DISPLAY THE ABOVE SCREEN UNTIL IT SEES A SENSOR OR THE TEST IS STOPPED.

* 1. The wet test function will only indicate correct wet compartment number for systems without an onboard monitor.

2. Systems using an onboard monitor will only show sensor 1 wet when any sensor becomes wet.