

Supplement

Title: T+ and T+ PRO Inst.Sht. Supplement Issue: **2**
Part Number: 2559547 Issue Date: 3/07
Print Date: November 2006 Page Count: 5
Revision/Date:

This supplement contains information necessary to ensure the accuracy of the document described above.

Change #1


Under **Introduction**, replace the 6th bullet with the following:

- Rotary field direction indicators (T+ PRO Only)

Under **Safety Information**, add the following **Warning**:

- **Exercise caution when performing measurements on PLC inputs. When measuring relay control voltages on PLCs, be aware that this may open or close the relay/switch.**

Under **Pushbuttons**, in Table 3, replace the following:


	Press to turn flashlight on, release to turn it off. The flashlight will turn off 5s after release of the pushbutton. Batteries are required for this feature.
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Under **Beeper**, following the Note,

Change: 1s

To: more than 3s

Under **Automatic Operation**, replace the 3rd sentence in the paragraph with the following:

The Tester switches off immediately after the probes are removed from the circuit under test or after 5s if  is released when the probes are not attached to a test circuit.

Under **Self Test**, following the **Caution**, replace the paragraph with the following:

To perform a self test, short the two probes. The self test lights all LEDs and all LCD segments (T+ PRO). The beeper sounds (unless disabled) and then the Tester switches to continuity mode. The self test will

then be de-activated for 30s. If the self test needs to be repeated, wait for 30s.

To complete the check procedure, always measure a known voltage before use. If the tester fails the self test or the voltage check, it must not be used and requires service. See “Contacting Fluke”.

Under **Measuring Voltage**, replace the last sentence in the paragraph with the following:

The T+ PRO will show the measurement on the LCD for voltages > 10 V, < 10 V the LCD remains blank.

Add a Note following Figure 2:

Note

Maximum measurable voltage is 600 V ac or dc. This will be indicated on the LED and LCD (T+ PRO).

Under **Testing for Continuity**, delete the sentence following Figure 3.

Under **Rotary Field Direction (T+ PRO Only)**, add the following sentence at the end of the Note paragraph:

The rotary field function is specified for use on line (mains) systems only.

Under **Specifications**, replace **Earth Ground** with the following:

Earth Ground: Maximum working voltage 1000 V ac or dc.

Maximum measurable voltage 600 V ac or dc. This will be displayed on the LED and the LCD (T+ PRO)


Under **Specifications, LEDs:**

Change: LEDs turn on @ between 70 % and 85 %

To: LEDs turn on @ between 90 % and 100 %

Change #2

Under **Pushbuttons**, Table 3, change the last row to:

	Performs Ground Fault and trips the GFCI.
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Under **Measuring Voltage**, add the following to the end of the paragraph:

The AC, DC+ and DC- LEDs will only operate for voltages greater than 24 V.

Replace the entire **GFCI Test** section with the following:


GFCI Operation

Warning

To avoid electrical shock, do not touch any exposed metalwork during the test.

This test will switch off the power to the circuit.

To test a GFCI receptacle, do the following:

1. Insert the Tester probes into the GFCI receptacle under test.
2. Connect probes to the phase (hot) and ground (PE - protective earth) of the GFCI receptacle.
3. Press  for 1 second. The DC+ and DC- LEDs will alternately switch on and off and the beeper will sound (if activated) indicating that a test is in progress. The test may last up to 7 seconds.
4. Keep the probes connected while the LEDs are switching on and off. If the GFCI trips, power to the

circuit will be interrupted and the Tester will stop indicating voltage. If the GFCI does not trip after approximately 7 seconds, the GFCI test stops, indicated by no switching of the DC+ and DC- LEDs but the tester will continue to indicate the presence of voltage.

When testing and verifying GFCI circuits or components, do the following:

- Consult the GFCI manufacturer's installation instructions to determine that the GFCI is installed in accordance with its specifications.
- Check for correct wiring of receptacles and all remotely-connected receptacles on branch circuits.
- Operate the push button on the GFCI receptacle installed in the circuit. The GFCI must trip. If it does not, the GFCI receptacle is not operating properly. DO NOT use the circuit. Consult an electrician or properly certified personnel.

If the GFCI does trip, retest the receptacle as explained above.

If the Tester fails to trip the GFCI, consider either of the following:

1. The GFCI is fully functional but a wiring problem exists within the installation or receptacle.
2. The GFCI is faulty and the installation wiring is correct.

Consult with an electrician to check the wiring and GFCI.

Note

After a GFCI test, further GFCI tests will be inhibited for 0.5 seconds.

It is not possible to switch the beeper off during a GFCI test.

⚠ ⚠ Warning

To avoid possible electric shock or personal injury, follow these guidelines:

- **When testing GFCIs installed in 2-wire systems, (systems where no ground wire is available at the receptacle) the Tester may give a false indication that the GFCI is not functioning properly. If this occurs, recheck the operation of the GFCI using the test and reset button.**
- **The GFCI button test function should demonstrate proper operation. However, if there is cause to verify proper operation of the GFCI receptacle in a 2-wire system, apply one test probe of the Tester to the energized input of the GFCI receptacle while applying the alternate test probe to a known external neutral or ground reference location external to the GFCI receptacle. Operate the GFCI button on the Tester as described in the Instruction Sheet to verify the GFCI receptacle is operating properly.**

Under ***Specifications***, replace the **GFCI Test Current** specification with the following:

100 V - 150 V @ 6 mA - 9 mA ac
150 V- 240 V < 12 mA