

Manual Supplement

Manual Title:	T5-600/T5-1000 Service Information	Supplement Issue:	5
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This supplement contains information necessary to ensure the accuracy of the above manual.

Change #1, 63860, 67328, 67434

On page 1, replace the **Safety Information** with the following:

Warning

To prevent possible electric shock, fire, or personal injury:

- Read all safety Information before you use the Product.
- Carefully read all instructions.
- Do not use the Product if it is damaged or operating abnormally. Protection may be impaired.
- Make sure the battery door is closed and latched.
- Inspect the Product and test leads. Look for cracks, missing plastic, exposed metal, or damaged insulation. Replace damaged test leads before using the tester.
- Verify Product operation by measuring a known voltage.
- Replace the batteries as soon as the low battery indicator () appears.
- Do not use the Product around explosive gas, vapor or dust.
- Do not apply more than the rated voltage, as marked on the tester, between terminals or between any terminal and earth ground.
- Use caution when working above 30 V ac rms, 42 V ac peak, or 60 V dc.
- When using the probes, keep your fingers behind the finger guards on the probes.
- Remove the batteries if the Product is not used for an extended period of time, or if stored in temperatures above 50 °C. If the batteries are not removed, battery leakage can damage the Product.
- Limit operation to the specified measurement category, voltage, or amperage ratings.
- Use the correct terminals, function, and range for measurements.
- Do not measure current while the test leads are in the input jacks.
- Hold the Product behind the tactile barrier.
- Do not use the Product if it is damaged.
- Disable the Product if it is damaged.
- Do not use the Product if it operates incorrectly.
- Do not use test leads if they are damaged. Examine the test leads for damaged insulation, exposed metal, or if the wear indicator shows. Check test lead continuity.
- Use only current probes, test leads, and adapters supplied with the Product.
- Remove all probes, test leads, and accessories before the battery door is opened.
- Remove all probes, test leads, and accessories that are not necessary for the measurement.
- Do not exceed the Measurement Category (CAT) rating of the lowest rated individual component of a Product, probe, or accessory.
- Repair the Product before use if the battery leaks.

- **Be sure that the battery polarity is correct to prevent battery leakage.**
- **Do not operate the Product with covers removed or the case open. Hazardous voltage exposure is possible.**
- **Use only specified replacement parts.**
- **Have an approved technician repair the Product.**
- **Disconnect power and discharge all high-voltage capacitors before you measure resistance, continuity, capacitance, or a diode junction.**

On page 2, following the **Specifications** section, add the following:

Identifying Software Version

Use these steps to identify the software version of the electrical tester:

1. While holding down the **HOLD** button, turn the rotary knob from OFF to VAC. If all of the segments of the display turn on and stay on than proceed to step 2. If the segments do not remain on, the software version is N/A.
2. Press the **HOLD** button again to display the model number. "1000" displays for a T5-1000. "600" displays for a T5-600.
3. Press the **HOLD** button again to display the software version.

Software Version 2.X

General Specifications

Calibration	One-year calibration cycle.
Temperature	Operating: -10 °C to +50 °C (14 °F to 122 °F); Storage: -30 °C to +60 °C (-22 °F to +140 °F)
Altitude	Operating: 2000 m (6562 ft); Storage: 10,000 m (32808 ft)
Relative Humidity	0 % to 95 %, 5 °C to 30 °C (41 °F to 86°F); 0 % to 75 %, 30 °C to 40 °C (86 °F to 104 °F); 0 % to 45 %, 40 °C to 50 °C (104 °F to 122 °F)
Battery Type and Life	Two (2) AA; 360 hours continuous with alkaline; 125 hours continuous with zinc chloride
Safety	IEC 61010-1: Pollution Degree 2 IEC 61010-2-030: T5-600 Measurement 600 V CAT III T5-1000 Measurement 1000 V CAT III / 600 V CAT IV IEC 61010-2-032: T5-600 and T5-1000, 1000 V CAT III / 600 V CAT IV (Dual rating for current fork only)
Electromagnetic Environment	IEC 61326-1: Portable
IP Rating	IEC 60529: IP52
Electromagnetic Comptability	Applies to use in Korea only. Class A Equipment (Industrial Broadcasting & Communication Equipment) ^[1] [1] This product meets requirements for industrial (Class A) electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and is not to be used in homes.

Resolution and Accuracy

Function	T5-600 Range	T5-1000 Range	Resolution	Accuracy
\tilde{V}	600 V rms	1000 V rms	1 V	$\pm(1.5 \% + 2 \text{ digits})$
\bar{V}	600 V	1000 V	1 V	$\pm(1 \% + 1 \text{ digit})$
\tilde{A}	100.0 A	100.0 A	0.1 A	$\pm(3 \% + 3 \text{ digits})$
Ω	1000 Ω	1000 Ω	1 Ω	$\pm(1 \% + 2 \text{ digits})$

Input Characteristics

Function	Input Protection		Input impedance (nomial)
	T5-600	T5-1000	
\tilde{V}	600 V rms	1000 V rms	1 M Ω , <100 pF ac-coupled
\bar{V}	600 V rms	1000 V rms	1 M Ω , <100 pF
Ω	600 V rms	1000 V rms	
Ω	Open Circuit Test Voltage		Short Circuit Current
	1.1 V dc (nominal)		<600 μ A

On page 2 and 3, replace **Serial Number 79560000 and Above General Specifications** table, with:

**Software Version 1.X
General Specifications**

Calibration	One-year calibration cycle.
Temperature	Operating: -10 °C to +50 °C (14 °F to 122 °F); Storage: -30 °C to +60 °C (-22 °F to +140 °F)
Altitude	Operating: 2000 m (6562 ft); Storage: 10,000 m (32808 ft)
Relative Humidity	0 % to 95 %, 5 °C to 30 °C (41 °F to 86°F); 0 % to 75 %, 30 °C to 40 °C (86 °F to 104 °F); 0 % to 45 %, 40 °C to 50 °C (104 °F to 122 °F)
Battery Type and Life	Two (2) AA; 360 hours continuous with alkaline; 125 hours continuous with zinc chloride
Safety	IEC 61010-1: Pollution Degree 2 IEC 61010-2-030: T5-600 Measurement 600 V CAT III T5-1000 Measurement 1000 V CAT III / 600 V CAT IV IEC 61010-2-032: T5-600 and T5-1000, 1000 V CAT III / 600 V CAT IV (Dual rating for current fork only)
Electromagnetic Environment	IEC 61326-1: Portable
IP Rating	IEC 60529: IP52
Electromagnetic Compatability	Applies to use in Korea only. Class A Equipment (Industrial Broadcasting & Communication Equipment) ^[1] [1] This product meets requirements for industrial (Class A) electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and is not to be used in homes.

On page 3 and 4, replace the **Serial Number 79559999 and Below General Specifications** table, with:















Software Version N/A
General Specifications

Calibration	One-year calibration cycle.
Temperature	Operating: -10 °C to +50 °C (14 °F to 122 °F); Storage: -30 °C to +60 °C (-22 °F to +140 °F)
Altitude	Operating: 2000 m (6562 ft); Storage: 10,000 m (32808 ft)
Relative Humidity	0 % to 95 %, 5 °C to 30 °C (41 °F to 86°F); 0 % to 75 %, 30 °C to 40 °C (86 °F to 104 °F); 0 % to 45 %, 40 °C to 50 °C (104 °F to 122 °F)
Battery Type and Life	Two (2) AA; 400 hours continuous with alkaline; 200 hours continuous with zinc chloride
Safety	IEC 61010-1: Pollution Degree 2 IEC 61010-2-030: T5-600 Measurement 600 V CAT III T5-1000 Measurement 1000 V CAT III
Electromagnetic Environment	IEC 61326-1: Portable
IP Rating	IEC 60529: IP52
Electromagnetic Compatibility	Applies to use in Korea only. Class A Equipment (Industrial Broadcasting & Communication Equipment) ^[1] [1] This product meets requirements for industrial (Class A) electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and is not to be used in homes.

Change #2, 612

On page 4, following **Input Characteristics**, add **Symbols Table**:

Symbols

	Consult user documentation.
	Hazardous voltage. Risk of electric shock.
	Risk of Danger. Important information. See Manual.
	Double Insulated
	Battery
	Conforms to relevant North American Safety Standards.
	Conforms to EU directives.
	Earth
	DC (Direct Current)
	AC (Alternating Current)
	Conforms to relevant South Korean EMC Standards.
	Conforms to relevant Australian EMC requirements.
	Certified by TÜV SÜD Product Service.
CAT II	Measurement Category II is applicable to test and measuring circuits connected directly to utilization points (socket outlets and similar points) of the low-voltage MAINS installation.
CAT III	Measurement Category III is applicable to test and measuring circuits connected to the distribution part of the building's low-voltage MAINS installation.
CAT IV	Measurement Category IV is applicable to test and measuring circuits connected at the source of the building's low-voltage MAINS installation.
	This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste. Go to Fluke's website for recycling information.