MADE IN THE USA SINCE 1936 **RELIABILITY BEYOND MEASURE**

8455 & 8455A Line LoopTester

Available with Field Replaceable Switches

Simpson's Model 8455 Line Loop tester detects line shorts, opens and multiple ringers, DC voltages and loop resistance.

It can measure DC voltage up to 100 volts and loop resistance to 2 megohms.

A front panel "reverse polarity" switch allows changing polarity positions quicker and easier than manually switching test leads when making line checks.

This switch is field replaceable, enabling your loop tester to be operational at all times without costly shop repairs.

The compact durable construction of this tester ensures continued accuracy even under the most rugged field conditions.

Model No. 8455

- **Field Replaceable Switches** - Allows operator to get back to the job quickly with less downtime. The replacement toggles or push buttons can be kept in the truck and replaced on site, keeping the unit in service at all times.
- **Designed for Telecom Applications** - Accurately checks line shorts, opens and multiple ringers.
- **Wide Measuring Range** - Measures DC voltage 0-100V and resistance R x 1, R ÷ 10.
- **Shorter Testing Time** - Polarity toggle switch eliminates manually switching test leads when conducting line checks.
- **Rugged for Field Use** - Durable, compact (5-1/2" x 2-3/8") construction makes it portable, easy to store and rugged.
- **Accurate, Finer Readings** - 0-100 points scale calibration yields accurate readings.

Resistance				
Model	**Standard**		**Low Ohms**	
Range	R x 1	R ÷ 10	Points	Low Ohms
Center Value	100K Ω	10K Ω	50 points	500 Ω
Accuracy	2° of arc		2° of full scale	2° of arc
Open Circuit Voltage (nom)	45V	45V	N/A	1.2V
Short Circuit Current (nom)	450 µA	4.5mA	N/A	2.4mA

Simpson®

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8455 & 8455A Line LoopTester

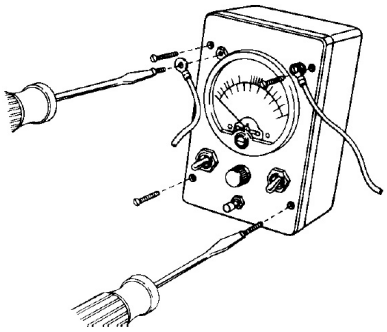
Ordering Information

Model 8455 Line Loop Tester	Catalog Number	Model 8455A Line Loop Tester (Low Ohms Version)	Catalog Number
	40010		40011
Field Rep. Switch	Yes	Field Rep. Switch	Yes
Low Ohms	No	Low Ohms	Yes
Accessories Included			
Case	Yes	Case	Yes
Leads	Yes	Leads	Yes
Battery Pack	Yes	Battery	Yes
Manual	Yes	Manual	Yes
Optional Accessories (Recommended)			
Case	00836	Case	00836
Leads	45001	Leads	45001
10 Pk. Replaceable Switches - Toggle	45025	10 Pk. Replaceable Switches - Toggle	45025
10 Pk. Replaceable Switches - Push Button	45026	10 Pk. Replaceable Switches - Push Button	45026

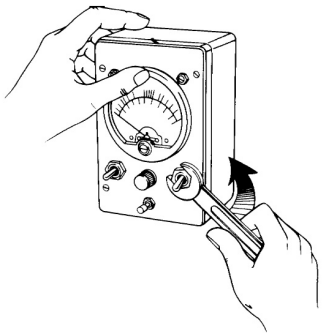
Specifications

DC Voltage	
Range	100V
Sensitivity	Model 8455, 1K Ω per volt Model 8455A, 3333 Ω per volt
Isolation	100V DC max. circuit to earth ground
Overload Protection	10mA/250V fuse on all ranges
Temperature Coefficient	(57°F to 97°F): ±2% F.S. (VDC)
Power	(1) Simpson 45V battery pack, Catalog number 00865
Physical Dimensions	5.5” (H) x 3.6” (W) x 2.4” (D), (14 x 9 x 6 cm)
Weight	1 lb. (0.5 Kg)
Specifications subject to change without notice	

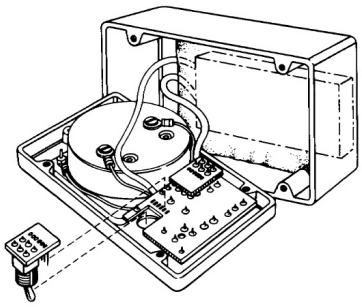
Field Replaceable Switches Save Time - Save Money



Remove the test leads and 4 screws located near the meter face from the 8455A's front cover.



Detach the mounting nut from the defective toggle switch.



Unplug the worn cut or broken switches and plug in a new one!
Total time under 5 minutes.
Push-button style switches also available.

Simpson's FIELD REPLACEABLE SWITCHES - replace broken switches in less time than it takes to complete a field report or repair paper work.

Simpson uses the best toggle switches, with pinned toggles for longer life.

The pictorial steps to the left illustrate the simplicity of replacing a toggle switch.

Complete detailed replacement instructions are provided in both the 8455 and 8455A operator's manuals.

8455 & 8455A
Line LoopTester

Model 8455A Low Ohms Version
Includes all the features of the 8455. Select the low ohms model if measuring electrical resistance over short lines (for example, in city and suburban locations).

Test Leads for 8455 and 8455A

Catalog Number 45001
Consists of one each, red and black, flexible test leads, 6 ft. long with Telco clips at one end and ring-tongue connectors at the other end for connection to the Instrument's screw terminals.

Protection for 8455 & 8455A

Catalog Number 00836

Simpson's foam padded, nylon water repellent case, protects the 8455 or 8455A both in storage and during transport.

Use either the case handle or adjustable nylon strap for easy carrying. The neck strap frees both hands for making measurements. The case, made of nylon mesh with an extremely dense weave and water repellent backing, safely protects unit from inclement conditions.

Foam padding on sides, top and bottom safeguards unit from damage.

A convenient pocket stores leads while they are attached to the instrument.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Simpson:

40010 40011 45025 45026