



# 8455 Line Loop Tester

## Available with Revolutionary Field Replaceable Switches

Simpson's Model 8455 Line Loop tester detects line shorts, opens and multiple ringers, DC voltages and loop resistance. It has the capability to measure DC voltage up to 100 volts and loop resistance to 2 megohms. A front panel "reverse polarity" switch is featured allowing you to change polarity positions quicker and easier than manually switching test leads when making line checks. This switch is also field replaceable thereby enabling your loop tester to be operational at all times without costly shop repairs. The compact durable construction of the tester ensures continued accuracy even under the most rugged field conditions.

### Features/Benefits

- **Field Replaceable Switches** - Gets you back to the job faster, less down-time in the shop. The replacement toggles or push buttons can be kept in the truck and replaced at the 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  $R \times 1$ ,  $R \div 10$ .
- **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.



**Isolation:** 100V DC max. circuit to earth ground  
**Overload Protection:** 10mA/250V fuse on all ranges  
**Temperature Coefficient:** (57°F to 97°F):  $\pm 2\%$  F.S. (VDC)  
**Battery Type:** (1) Eveready #455 (45V); Catalog Number 06-113313  
**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

### Specifications

#### DC Voltage:

Range: 100V

Sensitivity: Model 8455, 1K  $\Omega$  per volt

Model 8455 A, 3333  $\Omega$  per volt

#### Resistance

MODEL	STANDARD		LOW OHMS	
	R x 1	R $\div$ 10	Points	Low ohms
Ranges				
Center Value	100K ohms	10K ohms	50 Points	500 ohms
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 $\mu$ A	4.5mA	N/A	2.4mA

### Ordering Information

You may order Simpson models from 1,500 convenient domestic and international distributor/dealer locations. Simpson models include replaceable switches, as well as other extras, making them the most economical buy.

Model	8455			8455 A (Low Ohms)		
	40000	40001	40010	40002	40009	40011
Simpson Catalog Number	40000	40001	40010	40002	40009	40011
Field Rep. Switch	Yes	Yes	Yes	Yes	Yes	Yes
Low Ohms	No	No	No	Yes	Yes	Yes
INCLUDED ITEMS						
Case	No	Yes	Yes	Yes	No	Yes
Leads	No	Yes	Yes	Yes	No	Yes
Battery	No	No	Yes	No	No	Yes
Manual	No	No	Yes	No	No	Yes
OPTIONAL REPLACEMENT ITEMS (Recommended)						
Case	00836	00836	00836	00836	00836	00836
Leads	45001	45001	45001	45001	45001	45001
10 Pack of Replaceable Switches-Toggle	45025	45025	45025	45025	45025	45025
10 Pack of Replaceable Switches-Push-button	45026	45026	45026	45026	45026	45026