

APPLICATION NOTE 17



USING THE NEW FEATURES IN THE UPDATED KE801 LASER TRACER™ PLUS

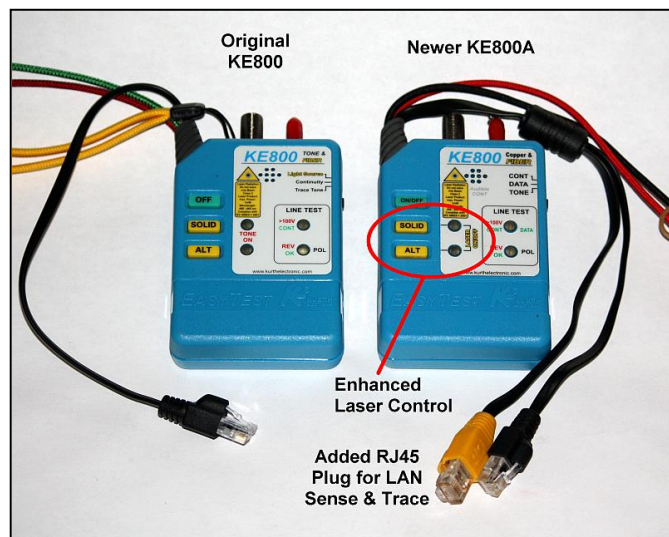
The Kurth Electronic *Laser Tracer™ Plus* is a multi-media test and trace kit. One test set can help trace and troubleshoot:

- Coax
- Telephone Cable
- LAN Cable
- Fiber-optic Cable.



The kit includes the KE800 tester and the KE310 tracing probe. The low-noise probe can be used in all copper cable tracing applications and is compatible with any other manufacturer's tone tracing sender.

Differences: The KE800 and the Latest KE800A



The original KE800 tester in the popular KE801 kit was 1) a professional grade copper test & trace unit, and 2) a laser light source for working with fiber optic cables.

In 2012 Ethernet LAN detection and tracing was added to the tester to create the KE800A. *Added was the ability to detect active LAN service, blink the link light on switches and trace Cat 5E/6 cable made this version the all-around tool that users have needed. Laser functions were also added.*

The added features meant some changes to the controls and connections.

Using the KE800 Tester

Select the thing you want to do using the slide switch on the right side. **TONE** for copper cable tracing, **DATA** for working with Ethernet LAN and **CONT** for short circuit checks. Turn the laser source off and on using a simultaneous press of the **SOLID** and **ALT** keys.

The laser source controls were moved and enhanced: As seen above, the laser is now controlled by pressing the two tone keys **SOLID** and **ALT**, together, instead of moving the slide switch. One reason for this is the multiple modes now available in the laser function, including steady On, blinking On, and light modulation at audio frequencies for use with fiber identifiers. Start the KE800 by pressing the **ON/OFF** key (you will hear a confirming tone).

Ethernet LAN functions were added: As with the Kurth Electronic KE720, moving the slide switch to **DATA** position will activate the LAN features: solid green LED flashes and sounds an alert tone when Ethernet service is detected, blinking the activity light on the switch, and probe-traceable tone is sent on the yellow RJ45 plug.