

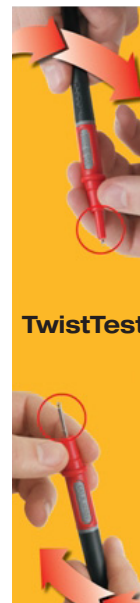
## New Fluke TL175 TwistGuard™ Test Leads

### Twist. Test.

#### TL175 TwistGuard™ Test Leads offer:

- Patented TwistGuard™ extendable tip shroud that meets new electrical safety requirements to reduce tip exposure while providing the versatility needed for most measurements
- New WearGuard™ lead wire wear indicator. Each test lead is covered by two layers of silicone insulation; inner contrasting color is exposed when the leads are nicked, scuffed, or otherwise damaged and in need of replacement
- Double insulated silicone leads. TL175 withstands high temperatures and remains flexible in cold temperatures
- Extra-heavy strain relief on both probe-end and plug-end, tested beyond 30,000 bends without failure
- Universal input plugs compatible with all instruments that accept standard 4 mm shrouded banana plugs
- Probes always show correct category rating for tip exposure being used
- TL175E also available. Includes removable 4 mm lantern tips for versatility
- Conforms to EN61010-031:2008
- Ratings: CAT II 1000 V, CAT III 1000 V, CAT IV 600 V, 10 A max., Pollution Degree 2
- Environmental ratings: -20 °C to 55 °C, altitude: 2000 m

The new Fluke TL175 TwistGuard™ Test Leads are the only test leads in the world with adjustable length test tips for use in different measurement environments. By simply twisting the test lead the user can change the exposed probe tip length from 19 mm to 4 mm.



TwistTest

## TL175 TwistGuard™ Test Leads



Reduce tip exposure for accurate placement



Extreme strain relief tested to withstand over 30,000 bends



Increase tip exposure for CAT II probing



Universal plugs compatible with all 4 mm shrouded inputs



Reduce tip exposure for CAT III testing



WearGuard™ indicator shows insulation damage

### Regulation requirements

On March 1st 2011 a new European safety standard EN 61010-031 for test leads and accessories has become valid. This new standard affects test leads and accessories, for all kind of test instruments, i. e. multimeter, clamps, insulation testers, ...

Two of the major requirements of this standard are:

- 1.) For CAT III and CAT IV rated accessories the conductive metal parts must be below 4 mm
- 2.) Requirement about duration of the insulation of the test leads, either by a wear indicator or double insulation after lifetime wear

The new test lead Fluke TL175 are fully compliant to this new regulation, and allows you to use the accessory in CAT III and CAT IV environments.

**Fluke.** *Keeping your world up and running.*®

### Ordering information

**Model**

**TL175** TwistGuard™ Test Leads, 2mm dia probe tips

**TL175E** TwistGuard™ Test Leads, 2mm dia probe tips with 4mm adapters