

Product Announcement

by: Henk van Velze

Fluke TL175 TwistGuard™ Test Leads

Twist. Test.

Adjustable tip lengths allow users to work safely in different settings



TL175 TwistGuard™ Test Leads are the only test leads in the world with a manually adjustable tip guard for use in different measurement environments. By simply twisting the test lead, the user can change the exposed probe tip length. When the guard is retracted, the TL175 Test Leads are safety rated for CAT II 1000 V use. When the guard is fully extended, the test leads are safety rated for CAT III 1000 V and CAT IV 600 V. The TL175 test leads meet the updated safety requirements of the European standard EN61010-031.

Electronic applications	Industrial applications	Electrical applications
Board testing with minimum metal exposure to prevent damage to components	Testing in industrial CAT III and IV environments, where less metal exposure improves safety	Socket testing which requires longer exposed tips



Target Customer: Anyone who uses electrical test tools – digital multimeters, clamp meters, process calibrators, portable scope meters, etc. Test leads are most often purchased together with one of these tools, so the TL175 TwistGuard™ test leads are a great complement to most tool sales. They are compatible with virtually all brands and models of these tools - the universal input plugs work with all test instruments with 4 mm input jacks.

Value Proposition: Customers are excited by the versatility TL175 test leads provide. The ability to adjust test leads to the application is revolutionary and improves customers’ safety and convenience when using test tools.

Features	Benefits
TwistGuard™ adjustable tip length	Provides versatility to perform electrical measurements in CAT II, III and IV environments.
WearGuard™ insulation	Each test lead is covered by two layers of silicone insulation: red or black on the outside, and white on the inside. If the TL175 Test Leads become nicked or scuffed and white insulation is visible, the user has a visual warning that the test leads should be replaced.
Dual-layer silicone insulation	These test leads are designed to last longer than any other leads currently available. They resist melting if they come in contact with hot surfaces and remain flexible in cold environments.
Extra-heavy duty strain relief	The strain relief is built into both the probe-end and the plug-end, and has been tested beyond 30,000 bends without failure. We quit testing long before the strain relief failed!
Screw threads at the base of the probe	This allows the user to add several screw-on clips, probes and specialty tips.
Universal input plugs	TL175 TwistGuard™ Test Leads are compatible with any test instrument that accepts 4 mm shrouded banana plugs.

Detailed Features:

- Patented, extendable tip sheath meets new electrical safety requirements to reduce tip exposure while providing the flexibility you need for most measurements. Tip exposure ranges from ¾ inch (19 mm) to 4/25 inch (4 mm).
- New lead wire wear indication. Inner contrasting color exposed when the leads are damaged.
- Double-insulated silicone leads. TL175 withstands high temperatures and remains flexible in cold temperatures.
- Compatible with all instruments that accept standard 4 mm shrouded banana plugs
- Probes always show correct category rating for tip being used

- Ratings: CAT III 1000 V, CAT IV 600 V, CAT II 1000 V, 10 A max, Pollution Degree 2
- Environmental ratings: -20 °C to 55 °C, altitude: 2000 m
- The TL175 test leads meet the updated safety requirements of the European standard EN61010-031.
- One-year warranty

Availability:

- TL175 TwistGuard™ test leads will be sold individually packaged as a stand-alone product by distributors that carry Fluke products.
- TL175s will also be included with select multimeters for a three-month promotional period.
- TL175s will be available as part of several accessory kits.

TP175 TwistGuard™ Test Probes: TP175 TwistGuard™ test probes will be available later this year. TP175 is a modular adjustable length probe for use with most Fluke test lead sets that accept interchangeable probes (TL27, TL220, TL221, TL222, TL224, TL225, TL238, TLK220, TLK225, TLK287, TLK289), and select Fluke mainframe units (T5, 6200, 6500, 1550C, 1555, T Plus , 165X, 16XX, ESA620, 1503, 1507, 1577, 1587, ESA612).

Ordering Information:

Fluke Model #	UPC Code	Description	Dimensions (HxWxL) cm	Weight	Country of Origin	Recomm List Price excl. GST
TL175	0 95969 52154 3	TwistGuard™ Test Leads, 2mm dia probe tips	1.125 x 3.875 x 11.875	.104 kg	USA	A\$ 45.00 excl. GST
TP175	0 95969 52155 0	TwistGuard™ Test Probes, 2mm dia probe tip	1.125 x 3.875 x 11.875	.068 kg	USA	A\$ 32.00 excl. GST

Discount Schedule:

“T” discount code applies and the “C” stocking code applies.

Introduction Schedule (TL175 and TL175 ONLY):





Open for orders: April 4, 2011



Public announcement: May 2, 2011

Order Requirements:

No minimum order requirements

Sales Support Collateral:

Item	Description	Format	How to order
TL175 Data Sheet	Two-page data sheet showing highlights of TL175	PDF	Available on Partner Portal and www.fluke.com/tl175-tools 
TL175 Promotional Animation	Promotional video showing key product highlights	.swf/.htm available on web .wmv .mov available on request	Available on Partner Portal and www.fluke.com/tl175-tools 3790455 ENGLISH 3930175 SPANISH 
TL175 Application and Static Product Images	Images in a variety of resolutions for use on the Web and in print	GIF, JPG	Q:\namerica\everett\artwkgp\photo\public\Fluke Industrial\Accessories\TL175 and www.fluke.com/tl175-tools 
TL175 Web Product Page Copy	Text for use on TL175 product page	Word	Available on Partner Portal and www.fluke.com/tl175-tools 

Item	Description	Format	How to order
TL175 Web Banners	Promotional electronic banners for placement on websites	GIF, JPG	Available on Partner Portal and www.fluke.com/tl175-tools 
TL175 e-mail material	HTML e-mail piece designed to spread awareness of the product and its innovative features	HTML	Available on Partner Portal and www.fluke.com/tl175-tools 
TL175 Catalog Copy	Text and images designed for placement in catalogs	Word	Available on Partner Portal and www.fluke.com/tl175-tools 