

**Test lead set, 'Voltage Test Lead, 3-phase + N', included with Fluke 173x, 174x Power Quality Loggers and 3540FC Power Monitor**

**CRITICAL SAFETY ALERT – PLEASE READ!**

**June 2018**

Dear Fluke Customer:

**Fluke is issuing this Critical Safety Alert related to the 173x Series (Models: Fluke-1730, Fluke-1732, Fluke-1734, Fluke-1736 and Fluke-1738), the 174x Series (Models: Fluke-1742, Fluke-1746 and Fluke-1748) Power Quality Loggers and the 3540FC Power Monitor to warn users against a serious risk of potential injury or death.**

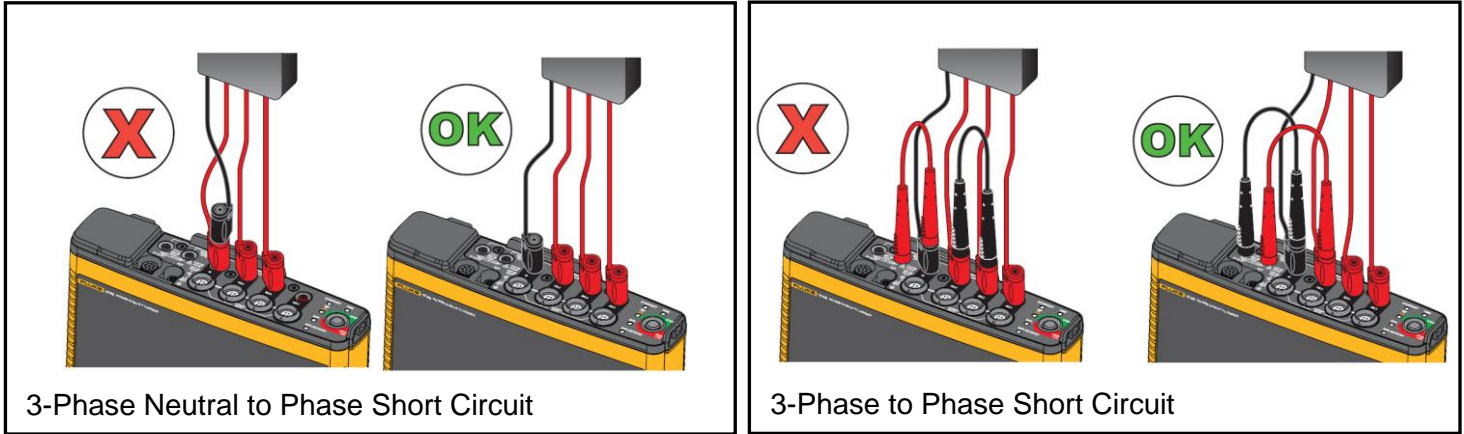
Fluke has determined that certain improper use of the test lead set, 3PHVL-1730 or 3PHVL-1730-5M 'Voltage Test Lead, 3-phase + N', included with the 173x Series, 174x Series Power Quality Loggers and 3540FC Power Monitor, may potentially expose users to hazardous conditions, posing the risk of serious personal injury or death.

While these test leads are compliant with applicable safety standards, it is possible for a user to miswire the voltage connections on the test lead set when making connections to a Logger. See the diagrams below for examples of miswiring errors.

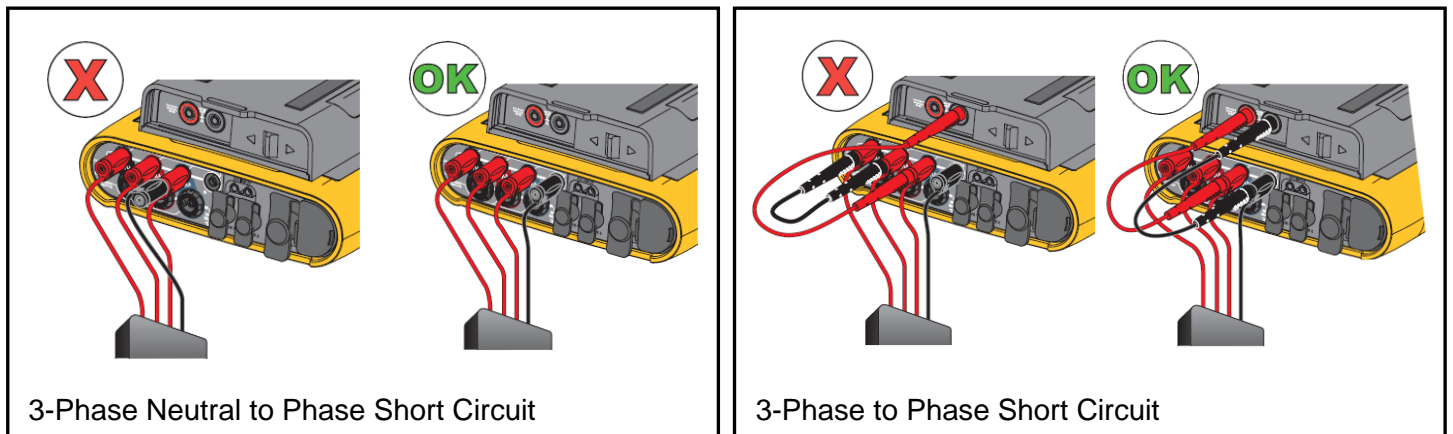
While the possible wiring errors shown below may seem obvious to trained personnel, if this miswiring were to occur, a phase-to-phase or phase-to-neutral short circuit could result, potentially **causing an arc explosion and posing the risk of serious personal injury or death.**

Examples of possible miswired voltage connections resulting in a short circuit (VOLTAGE CONNECTION ERRORS ARE INDICATED BELOW WITH A RED 'X'):

**174X Series Incorrect 3-Phase Test Lead Connection**



**173X Series and 3540FC Incorrect 3-Phase Test Lead Connection**

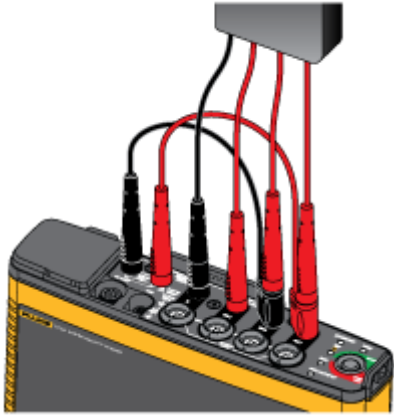


**PLEASE USE CAUTION TO AVOID ANY OF THESE MISWIRING CONFIGURATIONS.**

Fluke urges you to discontinue use of the 'Voltage Test Lead, 3-phase + N' cable set and contact Fluke for a free replacement test lead kit. This replacement test lead kit incorporates straight banana connectors rather than stackable connectors.

To facilitate powering the Logger from the measurement terminals, the replacement test lead kit additionally includes short jumper accessories with both a stackable connector and a straight banana connector. **The configuration of this replacement test lead kit eliminates the possibility of miswiring the terminals.** See below.

Replacement test lead set installed.



**What you need to do:**

1. Go to [www.fluke.com/174x-accessory](http://www.fluke.com/174x-accessory). This web page contains all the details associated with this safety alert.
2. On this page, please fill out the test lead replacement form including the model and serial number(s) of your Power Quality Loggers affected. The replacement test leads should be shipped from Fluke within six weeks after receipt of your order.
3. Once the new test lead kit is received, please cut the old-style test leads in half and discard.

At Fluke, safety is our number one priority, and we apologize for any inconvenience this matter may cause.