

## UNIVERSAL LEAD SET

The 3Ø Universal lead set simplifies connecting to any transformer. The durable kelvin clamps extend up to 3" for connecting to any bushing size. Lead spans range from 5m (15ft) to 30m (100ft), ensuring you can connect and test any transformer configuration. All of the leads can be connected in one ladder climb, reducing the risk of fall injuries.

The kelvin clamps also accept safety banana plugs, making it easy to connect the 3Ø lead set to a CT terminal block. Electrical shock and potential markings are clearly displayed on the clamp, informing operators how to connect safely and securely.

The TTRU3 lead set can be used with most existing MTOs, MWAs, and TTRs. Requires PNs

- 2008-009 - H lead breakout
- 2008-010 - X lead breakout



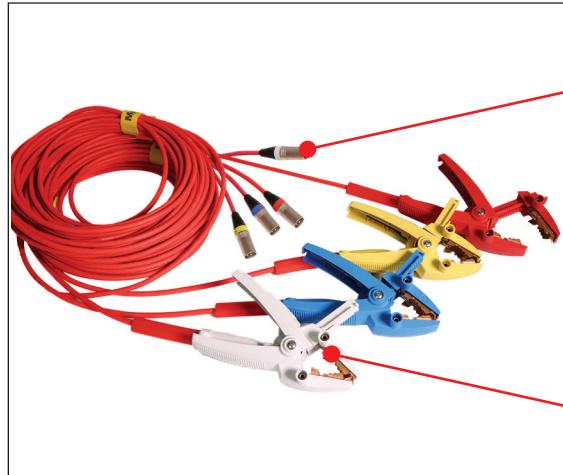
You can even use your old lead set with the TTRU3! Applies to PNs

H leads:

- 2008-001-XX
- 2008-002-XX
- 2008-003-XX
- 2008-004-XX

X-leads:

- 2008-005-XX
- 2008-006-XX
- 2008-007-XX
- 2008-008-XX



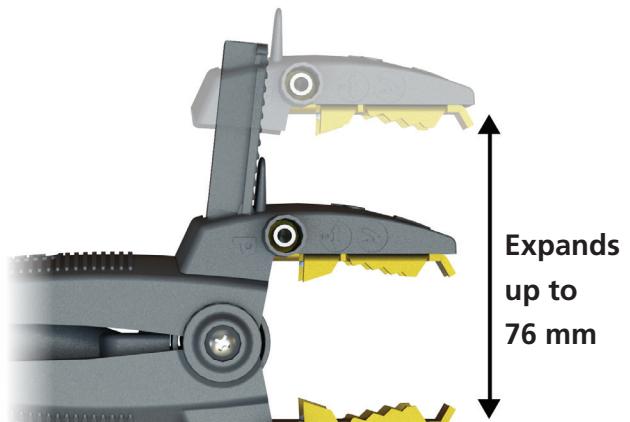
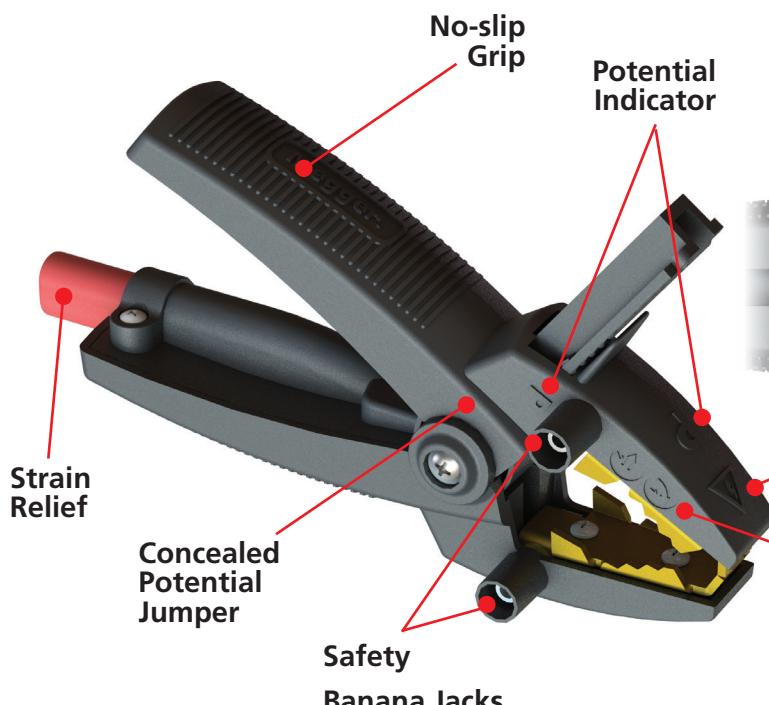
*H Leads*

Color-coded Connectors

Color-coded Clamps



*X Leads*



Expands  
up to  
76 mm

Caution  
Symbol  
Jaw Opening  
Instructions

The information herein is subject to change without notice.

## ORDERING INFORMATION

Item (Qty)	Cat. No.	Item (Qty)	Cat. No.
3Ø Transformer Turns Ratio Test Set	TTRU3-EXP TTRU3-PRO TTRU3-ADV	<b>Accessories Required for Operation</b>	
<b>Included Accessories</b>		<b>Lead P/Ns 2008-XXX-XX (8 total) can be used with the TTRU3 and qualify as required accessories</b>	
AC Adapters & Power Cord - 2.5m (8ft)	2009-874	3Ø universal shielded test lead sets compatible with MTO3XX, MWA3XX, TTRU3 instruments (up to 10A max), complete with color-coded Kelvin Clamps: Choose Kit or mix & match H & X	
USB 2.0 Cable	CA-USB	5m (15ft) H & X	2008-15KIT2
OLTC Tap Changer cable - 9m (30ft)	1011-622	9m (30ft) H & X	2008-30KIT2
Cable bag - backpack	2012-180	18m (60ft) H & X	2008-60KIT2
Ground Cable - 5m (16ft)	1011-352	30m (100ft) H & 18m (60ft) X	2008-100KIT2
Thumb Drive	1011-585	5m (15ft) H	2008-300-15
Triple Function Pen	2011-538	5m (15ft) X	2008-301-15
<b>Optional Hardware Accessories</b>		9m (30ft) H	2008-300-30
1:1 Test Jig	2005-249	9m (30ft) X	2008-301-30
Safety Beacon ~ 18m (60ft)	1004-639	18m (60ft) H	2008-300-60
Transit Case (for instrument)	2012-236	18m (60ft) X	2008-301-60
TRS1+ Calibration Standard	TRS1PLUS	30m (100ft) H	2008-300-100
Calibration Certificate	CERT-NIST	<b>Optional Lead Accessories</b>	
USB Printer	90029-573	9m (30ft) H extensions	2008-300-30X
USB Printer Paper (x48 rolls)	90029-573-P	9m (30ft) X extensions	2008-301-30X
OLTC Tap Changer cable adapters	1011-622-A	9m (30ft) H & 9m (30ft) X extensions	2008-30XKIT2
<b>ADV/PRO Software Options</b>			
<b>TTRU3-EXP includes all software options and will receive automatic activation of new features upon their release</b>			
All Automation SW (three options below)	SW-AUTOKIT		
PowerDB Control	SW-POWERDB		
One Touch OLTC	SW-AUTOOLTC		
Custom App Control	SW-CUSTOMAPP		
All Versatile SW (both options below)	SW-VERSATILEKIT		
Phase Shifting	SW-PHASESHIFT		
Magnetic Balance	SW-MAGNETICBAL		