

# 1662/1663/1664 FC Electrical Installation Tester

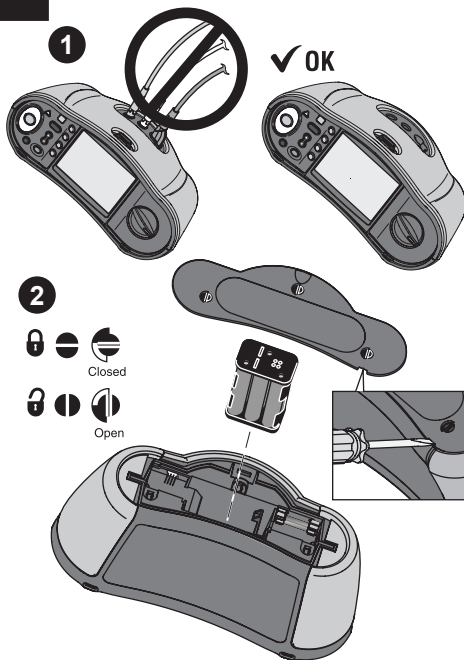


Read all "Safety Information" before you use this Product.

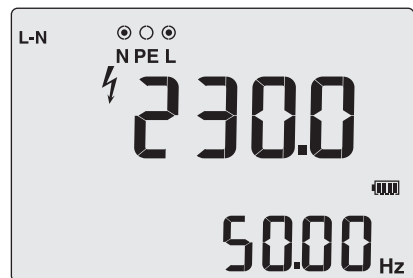
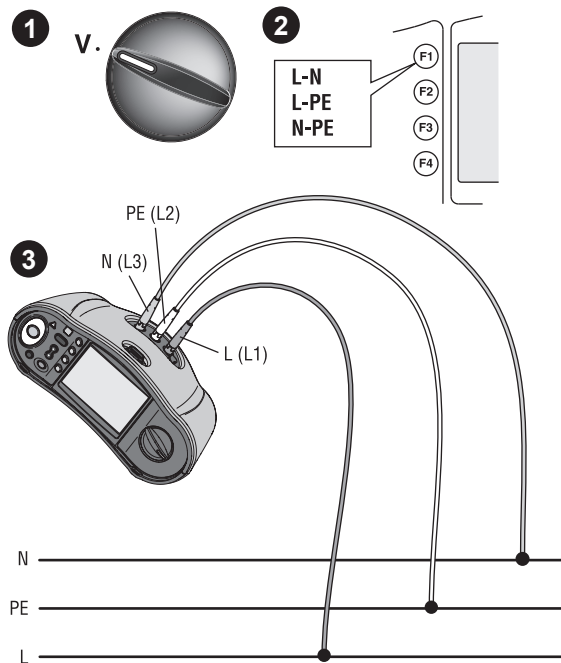
Go to [www.fluke.com](http://www.fluke.com) to register your product and find more information.

To view, print, or download the latest manual or supplement, visit [us.fluke.com/user/support/manuals](http://us.fluke.com/user/support/manuals).

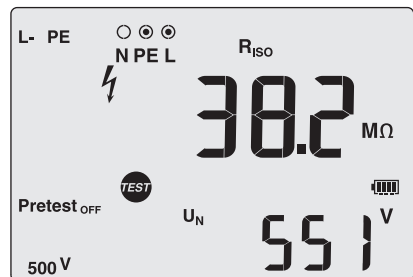
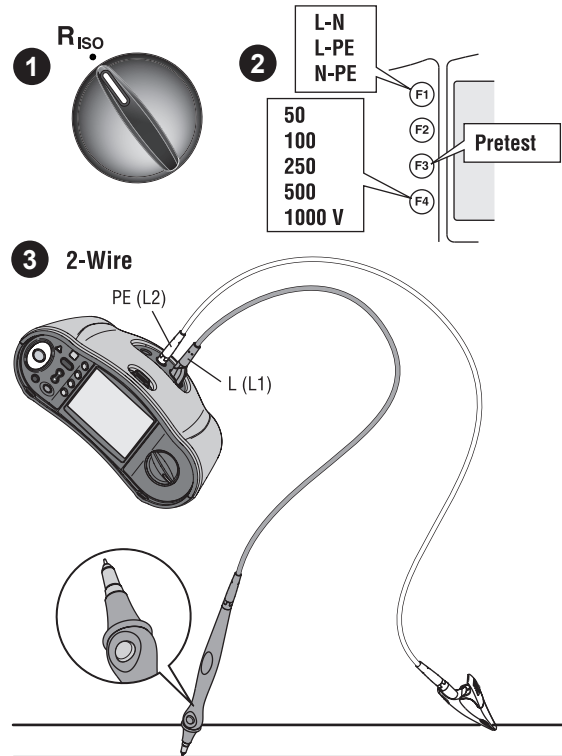
To download the Fluke Connect™ app, go to the Apple App Store or Google Play.



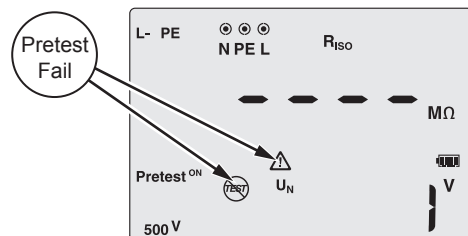
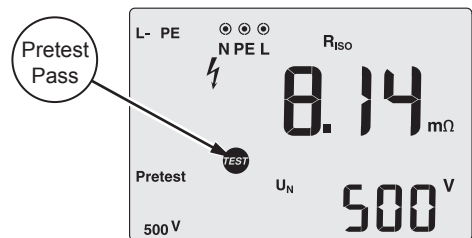
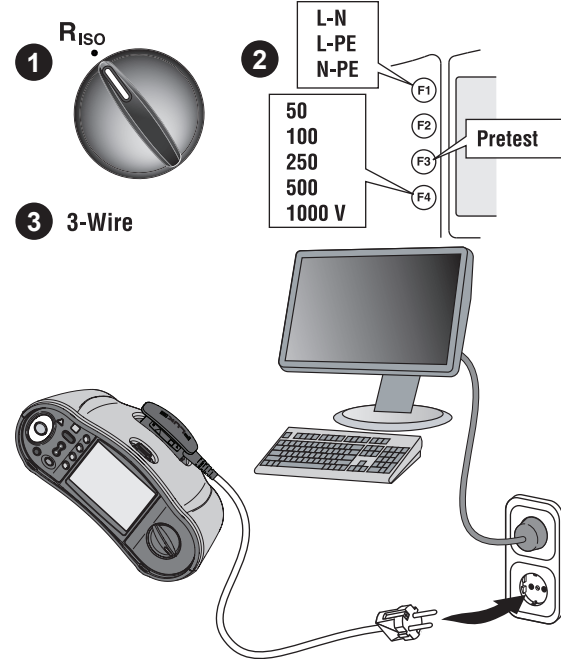
## V, Hz



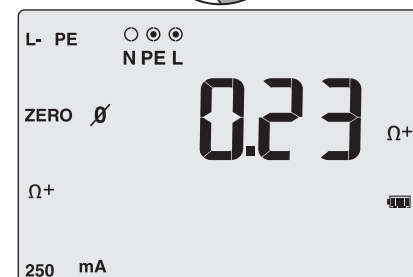
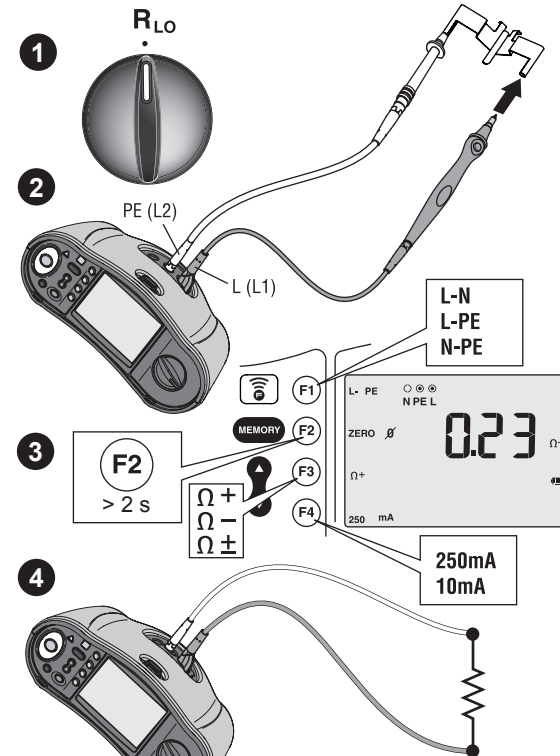
## R<sub>ISO</sub> Insulation · Isolement · Isolation (2-Wire)



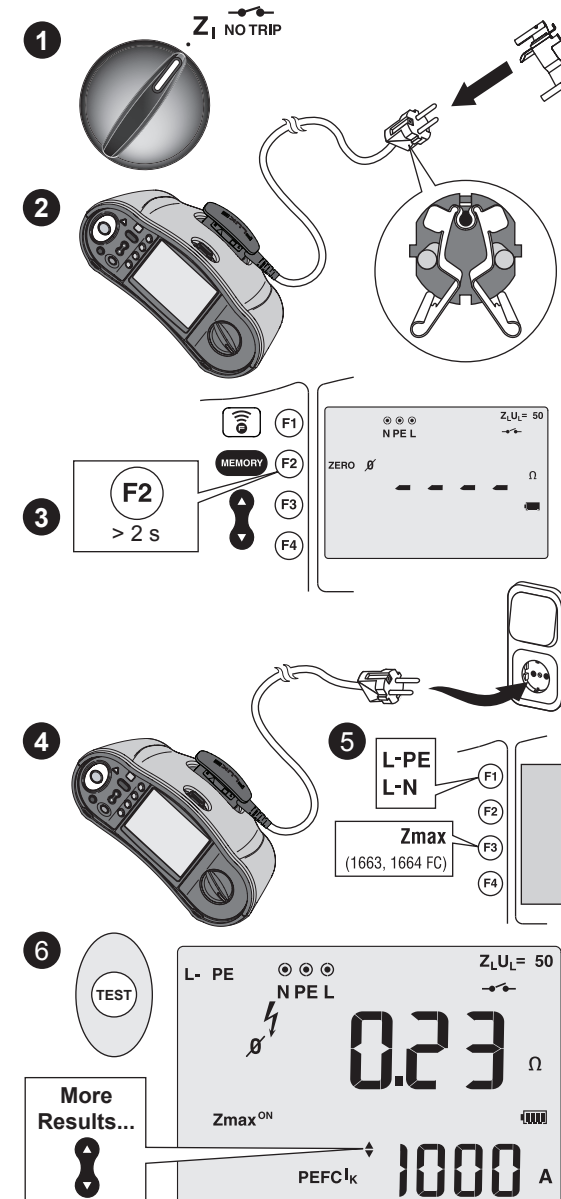
## R<sub>ISO</sub> Insulation · Isolement · Isolation with PRETEST (3-Wire)



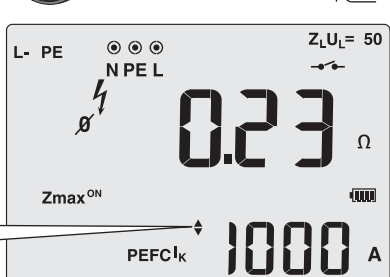
## R<sub>LO</sub> Continuity · Continuité · Niederohm



## Z<sub>I</sub> Loop · Boucle · Schleife



More Results...



**Z<sub>l</sub> Loop · Boucle · Schleife**

1  $Z_{l-TRIP}$

2 N PE L

3  $Z_{L,U} = 50$   
NPEL  $R_{Lo}$   
ZERO  $\Omega$  0.08  $\Omega$

4 N PE L

5 L-PE L-N  $Z_{max}$  (1663, 1664 FC) m $\Omega$

6 TEST  $Z_{L,U} = 50$   
L-PE NPEL  $R_{Lo}$   
0.23  $\Omega$   
m $\Omega$  PEFC  $I_k$  1000 A

**$\Delta T / I_{\Delta N}$  RCD · Disjoncteur différentiel · FI**

1  $\Delta T / I_{\Delta N}$

2 L PE

3 x1/2 x1 x5 Auto

4 TEST  $\Delta T / I_{\Delta}$

Display:  $\Delta T$  310 ms,  $U_F$  10.0 V

**Phase rotation · Rotation de phase · Phasenfolge (1663, 1664 FC)**

1 Phase rotation

2 N PE L1 L2 L3

3 123

**R<sub>E</sub> Earth · Terre · Erde**

1  $R_E$

2 PE N L

3 TEST  $R_E$  20.5  $\Omega$

**Auto Test (1664 FC)**

1 AUTO TEST

2 N PE

3  $Z_{L,U} = 50$   
NPEL  $R_{Lo}$   
ZERO  $\Omega$  0.08  $\Omega$

4 30 ma 100 300

5 TEST

6 More Results...  $R_{iso}$  500 V

1. Line test (L-N)  
2. NoTrip Loop test (L-PE)  
3. RCD trip current test (type AC, 30mA)  
4. RCD trip time test (type AC, 30mA)  
5. Insulation test L-PE, 500V  
6. Insulation test L-N, 500V  
7. Insulation test N-PE, 500V

**1664 FC / Fluke Connect App**

To download the Fluke Connect™ app, go to the Apple App Store or Google Play.

1 Bluetooth

2 Bluetooth

3 Bluetooth

4 Bluetooth On

5 Bluetooth

6 FLUKE 1664FC

7 TEST

8 CAPTURE

Display:  $R_{iso} > 500.0 M\Omega$ ,  $U_N$  500 V