Quick Reference Guide
Guía de referencia rápida
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FLUKE

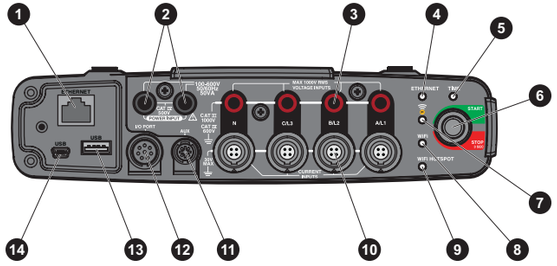
1742/1746/1748
3 Phase Power Quality Logger

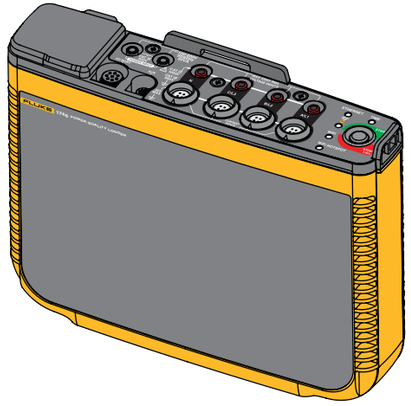
See Safety Information.

Go to www.fluke.com to register your product, download manuals, and find more information.

Vaya a www.fluke.com para registrar el producto, descargar manuales y obtener más información.

Acesse www.fluke.com.br para registrar seu produto, baixar manuais e para obter mais informações.





⚠ Configuration and operation of this Product requires Energy Analyze Plus software. Go to www.fluke.com for more information.

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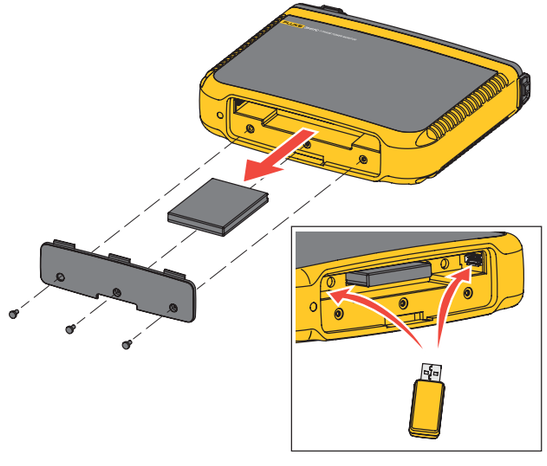
Overview

Item	Description
1	Ethernet
2	Power Supply Input 100-500 V 50/60 Hz 50 VA
3	Voltage measurement inputs (3 phases + N)
4	LED for Ethernet
5	LED for Time
6	Power On/Off
7	LED for Fluke Connect®
8	LED for WiFi
9	LED for WiFi Hotspot
10	Current measurement inputs (3 phases + N)
11	Aux connector
12	I/O connector for GPS Receiver
13	USB connector (data download and firmware upgrade)
14	Mini-USB connector (data download and firmware upgrade)

LED Indicators

LED	Color	Status	Note
Start/Stop	green	No user information or warning available. Logger power from mains. No connection errors detected.	
	amber	Information or warning available Possible reasons: Logger power from battery or circuit connection error detected.	Check the actual status with Energy Analyzer Plus if ⚠ shows
	white	Steady: start/stop	Do not turn off the Logger or remove the USB flash drive
		Flashing: file operation in progress	
Time	green	Time synchronization status is OK	
	off	External time synchronization is not in use	
	red	Time synchronization source not available	Check the time synchronization source and configuration of the Logger
Ethernet	green	Ethernet link detected and IP address is assigned	The LED flashes during the IP address assignment
	blue	Connection to the Fluke Connect Cloud is established	
Fluke Connect	blue	Flashing: Receiving data from all configured FC modules	Rapid flashing indicates loss of connection to one or all FC modules
WiFi	green	Steady: Connection to a WiFi access point established	
		Flashing: Configured WiFi access point is out of range or the connection can not be established	Check the WiFi access point configuration of the Logger. Reduce the distance between the Logger and the WiFi access point. Verify that the passphrase is correct.
	blue	Connection to the Fluke Connect cloud established	
WiFi Hotspot	green	The Logger WiFi hotspot is active	
	blue	A client is connected to the WiFi hotspot	

Battery / Adapter Replacement

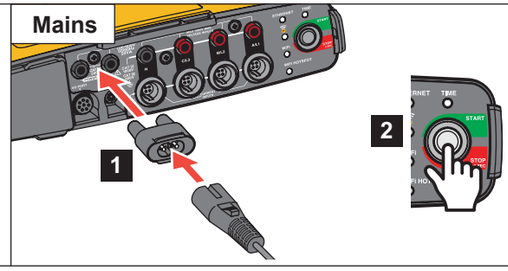


Power

Battery

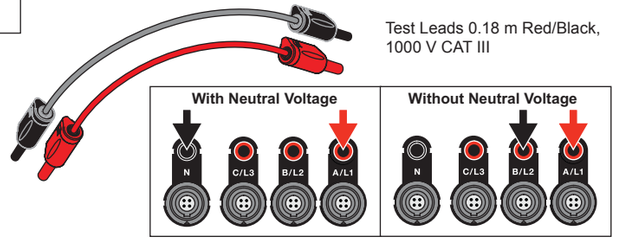


Mains



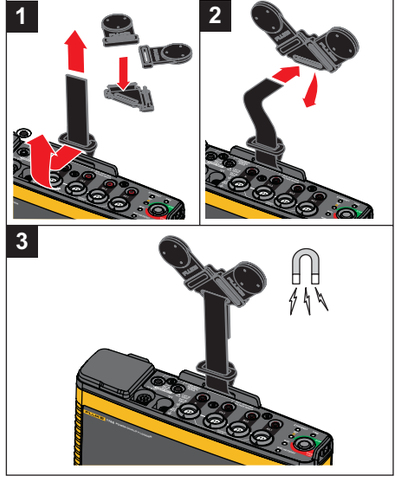
Measurement Line



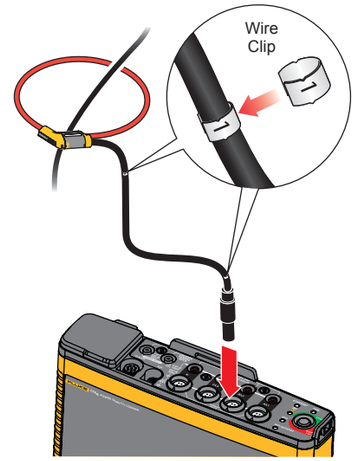


Test Leads 0.18 m Red/Black, 1000 V CAT III

Hanger Kit

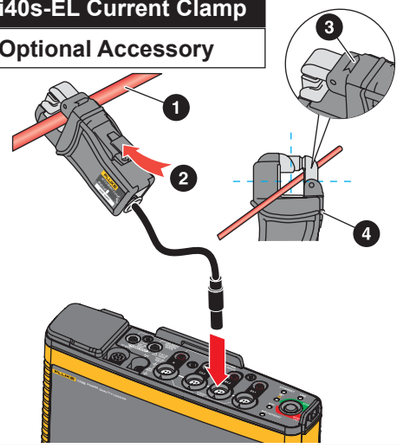


iFlex Current Probe



i40s-EL Current Clamp

Optional Accessory



Item	Description
1	Single insulated current carrying conductor
2	Release button
3	Load direction arrow
4	Finger guard

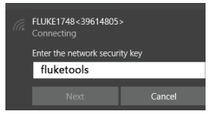
Setup with Energy Analyzer Plus

1 Start Energy Analyze Plus

WiFi

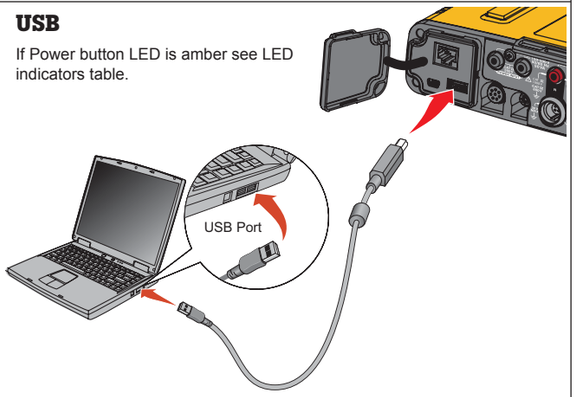
On the Windows PC:

1. Select the Logger from the WiFi access points in range.
2. Enter the password: **fluketools**



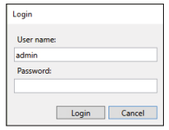
USB

If Power button LED is amber see LED indicators table.



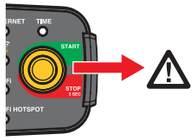
2

Go to **Instrument Setup> Select Logger**, and login.



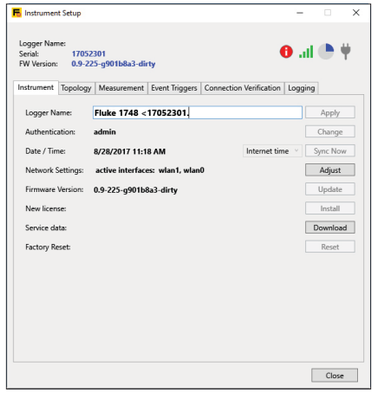
Factory Default
Users name:
admin

Password:
<blank> or admin



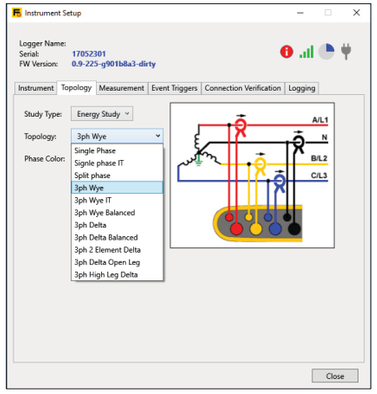
3

Synchronize the date and time between the Logger and the software.



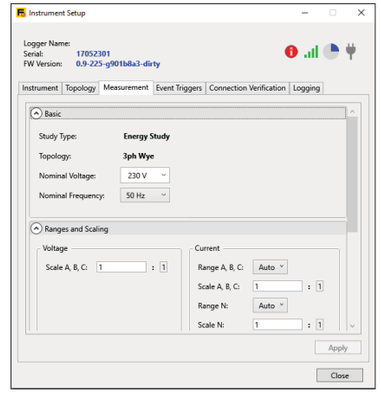
4

Select the topology.



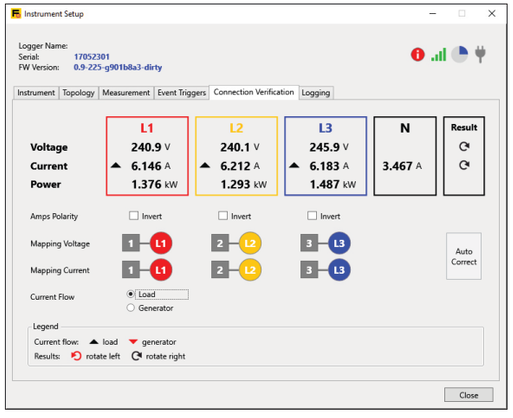
5

Select the voltage, ranges and scaling, and current.



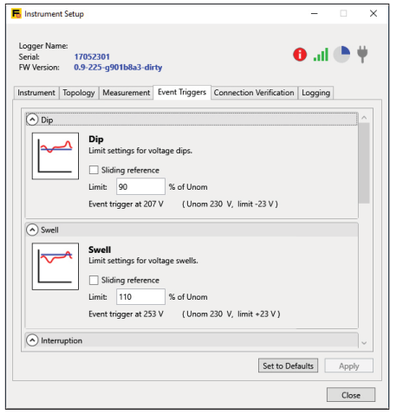
6

Verify the connections.



7

Set the limits for the power quality checks.



8

Select averaging interval, logging duration, and start/stop for the logging session.

