FLUKE®

1742/1746/1748

3 Phase Power Quality Logger

Introduction, Before You Start, Terms to Know

PN 5041162
February 2020

FLUKE CONNECT® APPLICATION AND SERVICES END USER LICENSE AGREEMENT (EULA) AND SERVICES AGREEMENT

For complete details, go to https://connect.fluke.com/eula.

Visit Fluke's website at www.fluke.com.

To register your product, visit http://register.fluke.com.

To view, print, or download the latest manual supplement, visit http://us.fluke.com/usen/support/manuals.

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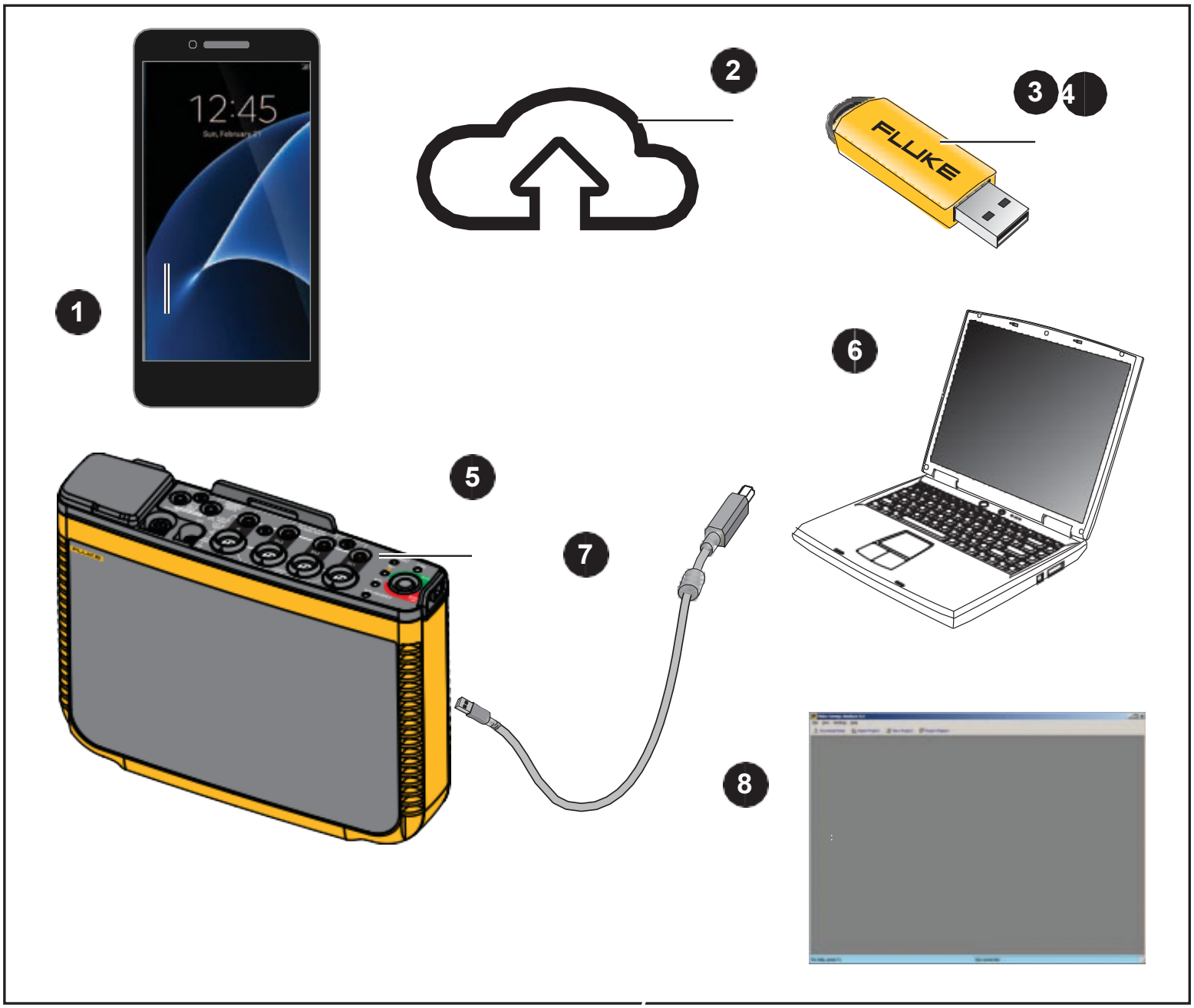
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Introduction

With the wireless connectivity (WiFi) feature of the Product, you can:

- Configure the Logger, verify measurement, and set up a logging session with Energy Analyze Plus PC software and the Fluke Connect smartphone app
- Download data to Energy Analyze Plus PC software
- Stream all data to the Fluke Connect Cloud
- Manage assets and share data with the Fluke Connect smartphone app
- Receive alarm notification from a remote monitoring session

Before You Start

What you need:

- ☐ Android or iOS smartphone (go to https://www.fluke.com/en-us/support/fluke-connect-frequently-asked-questions to find a list of supported devices)
- ☐ Internet access
- ☐ WiFi-Infrastructure license that enables Logger connection with WiFi access points for remote monitoring through WiFi (provided with Product registration)
- ☐ USB Drive (included with Product)
- ☐ Power Quality Logger (the Product or Logger)
- ☐ PC
- ☐ USB Cable A, mini-USB
- ☐ Energy Analyze Plus Software (go to https://www.fluke.com/en-us/support/software-downloads for the latest software update)

During this setup you will need to document the Login name and password for:

- Power Quality Logger
- Fluke Connect app
- WiFi Password (for the Logger)
- WiFi SSID and password for the Internet WiFi Access Point (or use an Ethernet connection)

Terms to Know

Definitions of terms used in this document:

WLAN	A wireless local area network (WLAN) is a wireless distribution method for two or more devices that use high-frequency radio waves and often include an access point to the Internet. A WLAN allows you maintain a network connection as you move around the coverage area, often a home or small office.
WiFi Hotspot	With the built in USB WiFi Adapter, the Logger is a WiFi hotspot for: • wireless control of the Logger • download of measurement data The WiFi direct connection uses WPA2-PSK (pre-shared key) with AES encryption.
WiFi Infrastructure	WiFi Infrastructure mode is how you connect your devices using a wireless access point as a central device. To join the WLAN, all wireless clients must be configured to use the SSID of the access point. The access point is then connected with the wired network to allow wireless clients access to, for example, Internet connections. With a second WiFi-to-USB adapter the Logger can connect to a WiFi access point and supports WPA2 PSK security as well as no security. This connection requires a DHCP service running in the access point to assign IP addresses automatically.

Local Logging	Logger mode starts a session to store all measurement data on the Logger.
Remote Monitoring	All measurement data is transferred in real-time to the Fluke Connect Cloud for secure storage. Measurement data is also available on the Logger (limited by the internal data storage size) for download to Energy Analyze Plus software. From the cloud, your team has access from anywhere to measurement data with a supported mobile device or PC web browser. Only Team users defined in Fluke Connect can access this data. To sync data to the Fluke Connect Cloud, the Logger must be connected to a WiFi access point or Local Area Network with Internet access. WiFi connection requires a DHCP service running in the access point to assign IP addresses automatically.