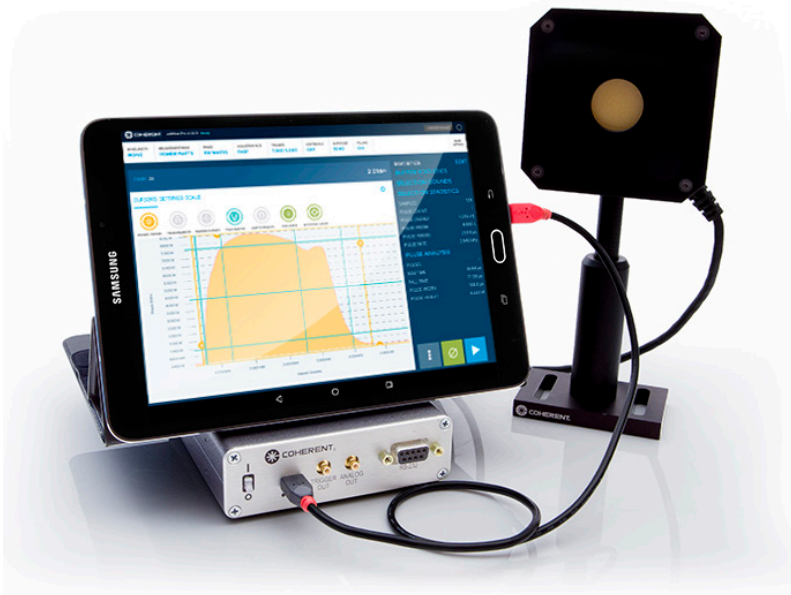# COHERENT.

LabMax-Pro Mobile App

For Mobile Devices

The new LabMax-Pro Mobile app enables operation of laser power and energy sensors using a mobile device. By leveraging the existing high quality, yet economical, touchscreen displays currently available on the market, Coherent can deliver a powerful and easy-to-use laser measurement solution at a reduced cost. Additionally, tablet computers offer a more compact and portable solution.

The Mobile App is compatible with several popular tablet computers running the Android and iOS operating systems, providing access to a comprehensive suite of laser power and energy measurement capabilities on a state-of-the-art, touchscreen display.

The app can be utilized with two different hardware configurations. In the first, the tablet is connected by USB cable or WiFi to Coherent's newest and flagship LabMax-Pro meter, which works with virtually all of Coherent's extensive selection of laser power and energy sensors. LabMax-Pro meters provide continuous sampling at 10 Hz or 20 kHz, or burst sampling at 625 kHz, and the app fully supports these high speed measurements to enable real-time analysis of modulated or pulsed systems. In the second configuration, the tablet is connected by USB cable or WiFi to one of Coherent's new PowerMax-Pro USB sensors. These integrate the meter functionality within the sensor head cable, allowing a truly "meterless" tablet solution with PowerMax-Pro sensors.

LabMax-Pro Mobile App Features:

- **Compatible with virtually every Coherent sensor through LabMax-Pro SSIM and with PowerMax-Pro USB**

- **Three connection options:**
  - **Direct USB**
  - **Direct WiFi**
  - **Corporate WiFi**

- **Three display layouts to choose from**

- **High Resolution Snapshot data from PowerMax-Pro**

- **Pinch & Swipe to Zoom and Pan Data**

- **Save, Import, and Export Data between Notebook and PC apps**

- **Histogram feature**

- **Tuning Needle**

- **Beam Position with LM-model thermopiles**

Superior Reliability & Performance

www.coherent.com/go/ProMobileApp

LabMax-Pro Mobile App
For Mobile Devices

The Android app is compatible with mobile tablet devices running the Android operating system 5.1.0 or greater. A screen size of 8" or greater is recommended to maximize the readability of the labels and trend chart, although the app will run on smaller devices if desired. We currently recommend the Galaxy Tab S2 for best performance.

The Apple app is compatible with the iPad mini and full size iPads.

Performance

The app contains all of the powerful features found in the LabMax-Pro PC app including PowerMax-Pro High Speed sampling at 20 KHz and 625 kHz Snapshot capture.

This is a fully featured application and includes the following capabilities:

- Three main display panes: Live Reading, Trend Chart, Statistics.

- Batch Analysis: Set batch size and view statistics including mean, min, max, standard deviation, stability, and many more

- Live trending including pinch and reverse pinch to expand or contract range of data in trend chart.

- Live histogram analysis

- Tuning indicator

- Beam position indicator (for LM-model thermopiles)

- Save and view data log files in the app, and send data log files for analysis in the desktop PC application

- Obtain Snapshot data with PowerMax-Pro sensors and analyze data using scope cursors

- The mobile app also performs full pulse analytics on captured Snapshot files such as rise time, fall time, pulse width, and pulse energy

- App supports a complete range of setup options found in desktop applications including Wavelength, Gain, Area Correction, Trigger, Smoothing, and Decimation

- 20 kHz live data streaming is also supported with PowerMax-Pro and Pyroelectric energy sensors
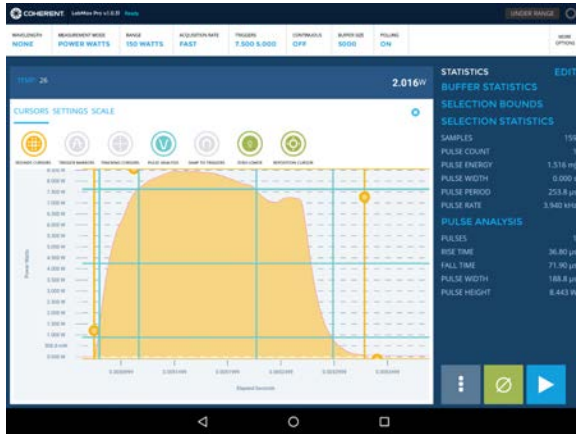
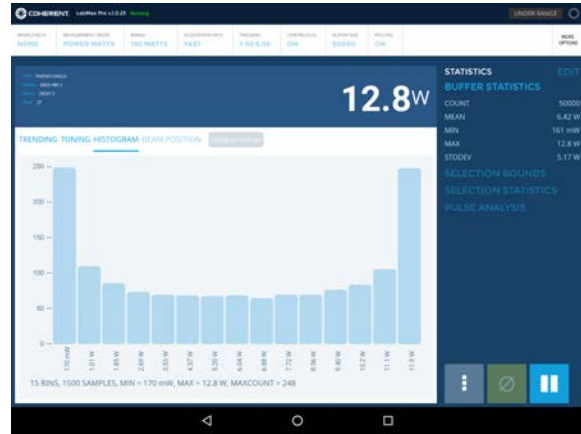# LabMax-Pro Mobile App

For Mobile Devices

Typical Performance Data

The following screenshots show several of the app's key features and capabilities

High Resolution Snapshot Data from PowerMax-Pro
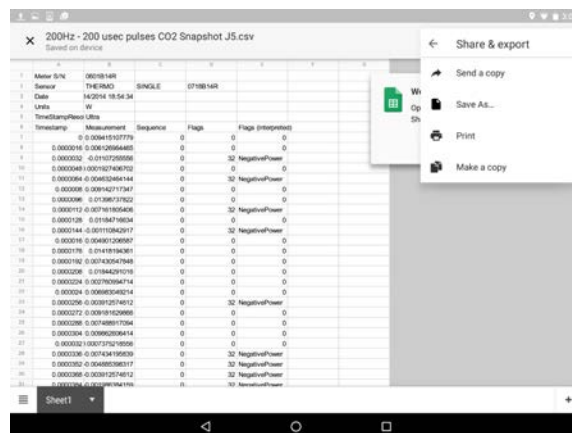

Histogram Feature

Tuning Needle

Beam Position with LM-model Thermopiles

Save, Import, and Export Data between Notebook and PC Apps

COHERENT

LabMax-Pro Mobile App
For Mobile Devices

Pinch & Swipe to Zoom and Pan Data

Pinch or reverse pinch the data graphic to expand or contract the range of information appearing in the Trending window.
Swipe the data horizontally to pan the information.

Pinch & Swipe

![COHERENT logo]

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