



ThermoFisher
S C I E N T I F I C

Thermo Fisher Connect

Product Overview – August 2017

The world leader in serving science



 **14,792**
Organizations

 **2456**
Cloud-connected
devices

 **34**
Analysis
applications

Thermo Fisher Connect is an **innovative ecosystem** of scientific analysis, remote instrument access, data storage, and collaboration tools that scientists use everyday to accelerate their research and boost their lab's productivity.



Automatic data file
upload & storing



Remote instrument
monitoring



Intuitive web-
based apps



Secure, scalable
data storage



Discretionary access
to files & data



E1 Pipette



MS Instruments



NanoDrop



SeqStudio



Multiskan Sky



QuantStudio



SimpliAmp



ProFlex



iBright Imager



ULT Freezer

Cloud-enabled instruments

Cloud Connect Utility App



Connect any legacy instrument with the **Cloud Connect Utility App (CCU)**



ThermoFisher
SCIENTIFIC

Download Instrument Connect

Stay connected to any Thermo Fisher Cloud-enabled instruments

Coming soon to
Google Play

Download on the
App Store



Realtime qPCR

Expand



High Resolution
MeltingAnalysis
Realtime qPCR

More info

Open



hPSC Scorecard
Analysis
Realtime qPCR

More info

Open



Genotyping
Realtime qPCR

More info

Open



Design and Analysis
Application
Realtime qPCR

More info

Open



Relative
Quantification
Realtime qPCR

More info

Open

CE Sanger Sequencing



Variant Analysis
CE Sanger Sequencing

More info

Open



Quality Check
CE Sanger Sequencing

More info

Open



Next-generation
Confirmation
CE Sanger Sequencing

More info

Open

NGS



Ion Reporter
NGS

More info

Open

PCR



PCR Designer
PCR

More info

Open

Synthetic Biology



CRISPR Search and
Design Tool
Synthetic Biology

More info

Open



GeneArt QA
Synthetic Biology

More info

Open

Virology



ViroScore®-HIV
Virology

More info

Buy

Utilities



Cloud Connect
Utility
Utilities

More info

Open

Mass Spectrometry

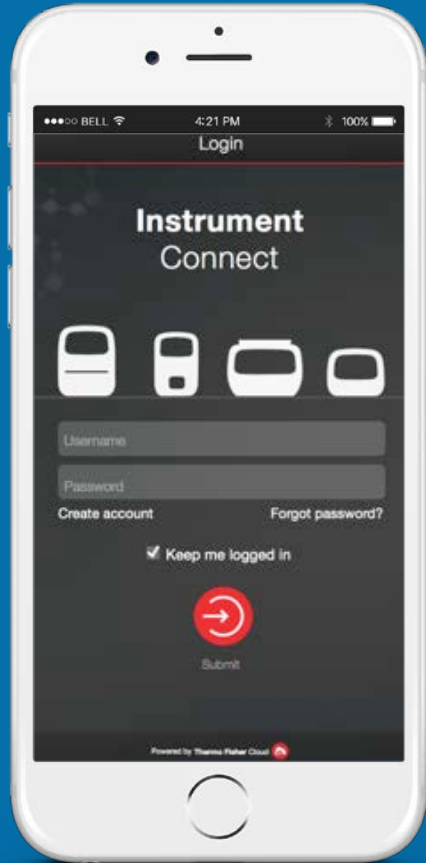


Pathway Over-
representation
Mass Spectrometry

More info

Open

Instrument Connect Mobile App



Powered by Thermo Fisher **Cloud**

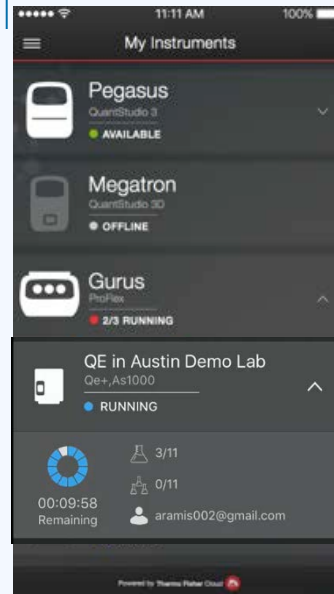


You can connect to...

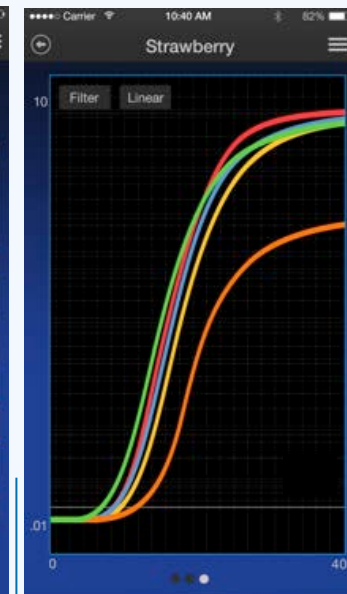
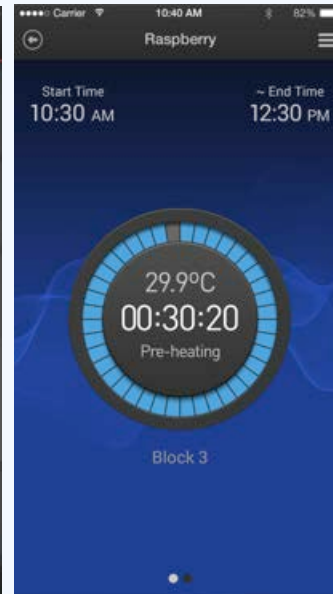


You can...

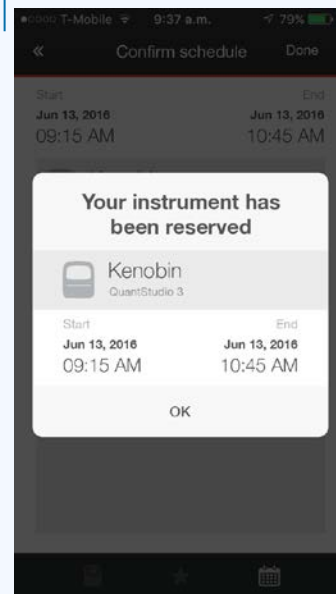
Check availability



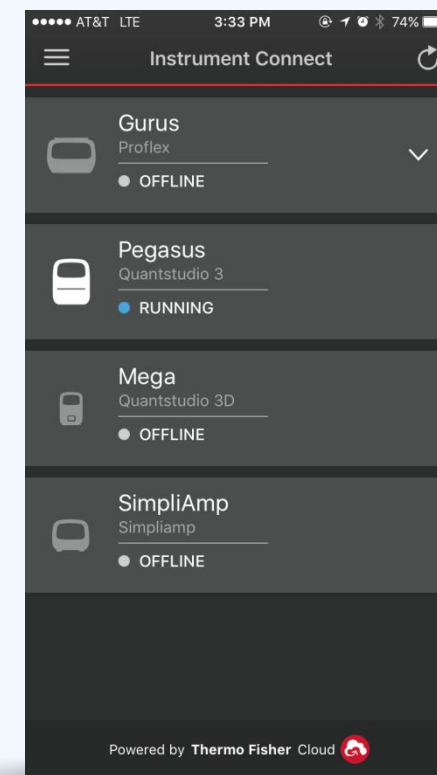
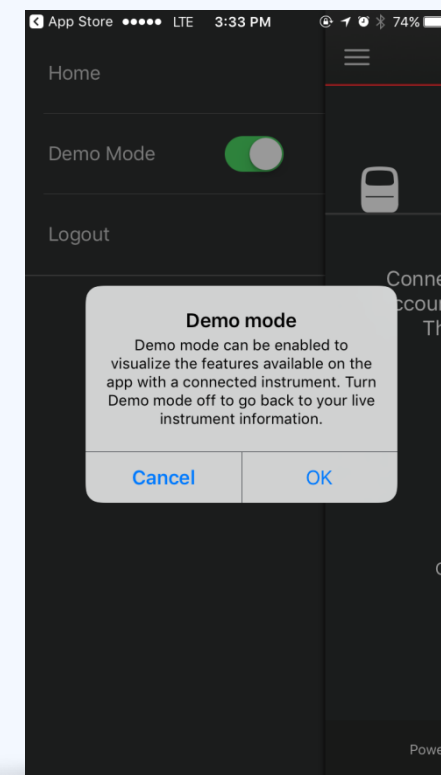
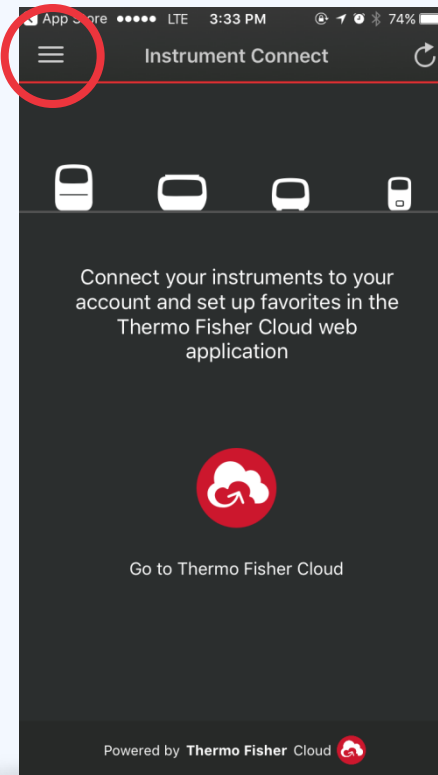
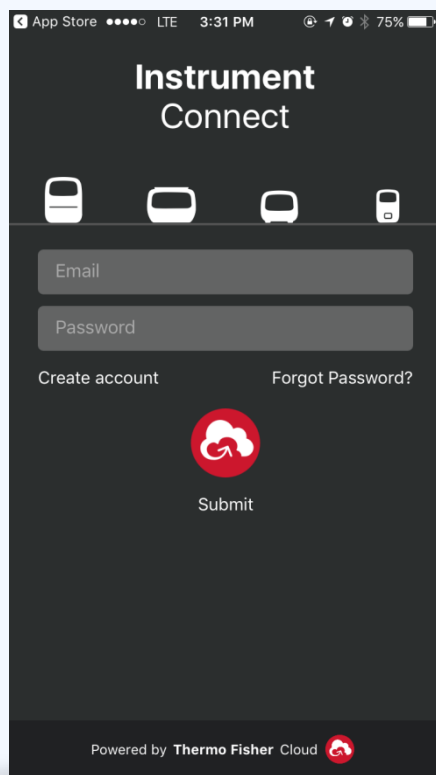
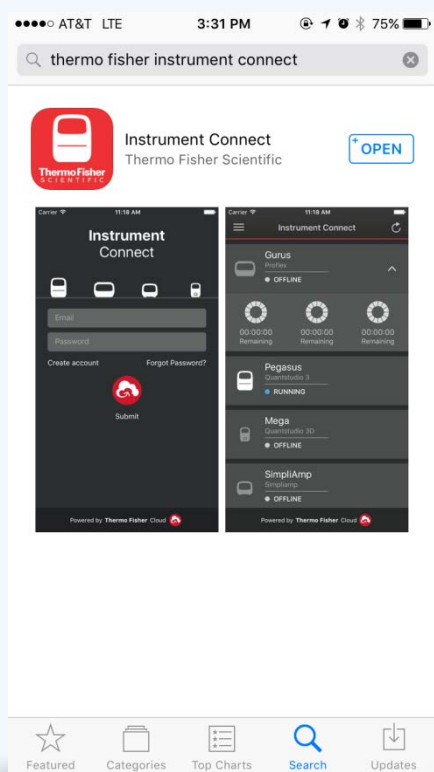
Monitor run status



Schedule Instrument



View TIC, Queue Length, User Amp plots; filter by sample or target



1. Search

Search for “Thermo Fisher Instrument Connect” in the app store, then download the app.

2. Sign in

Sign into the app using your thermofisher.com and Cloud login details.

3. Go to menu

Click the menu icon at the top left of the screen.

4. Turn on demo

Move the toggle switch to turn the demo mode on.

Demo mode

Use the demo mode to show customers how Thermo Fisher Connect keeps them connected to their lab.



*It's your life's work
we'll help you protect it*

Security is our highest priority. We understand that the security of data and protocols are critical, both to your research and to the publication process. To help ensure high levels of protection and security, we've built **Thermo Fisher Cloud on the world-class Amazon Web Services™ (AWS) cloud-computing platform.** With AWS, all of your data is stored in highly secure AWS data centers managed by compliance programs and audit safeguards.



- Data encryption
- Network firewalls
- Scheduled audits
- Data backup and recovery
- Data sharing



Data encryption

Our data storage system applies **robust security standards** including **AES 256-bit** encryption. Additional protection layers, such as encryption using **HTTPS/ SSL** with a **2,048-bit SSL certificate**, help protect your data transmissions from being intercepted during transfer. These security measures at the transit layer (TLS) are similar to those employed by leading institutions.



Network firewalls

Thermo Fisher Cloud infrastructure services **hosted by AWS** are **securely partitioned** from any public access using tools including **Amazon Virtual Private Cloud™ (VPC)** with logical fire walls that restrict unauthorized access without appropriate credentials.



Scheduled audits

Security vulnerability assessments and data integrity tests are conducted on a regular basis to help ensure that your data has not been compromised or altered in any way. Additionally, a third-party security firm will conduct ongoing **systems audits**, **penetration**, and **preventive hacking tests**.



Data backup and recovery

Thermo Fisher Cloud follows robust industry standards for data backup and disaster recovery. It uses an AWS data center that has achieved [SSAE 16–certification](#) and has published a [Service Organization Control 1™ \(SOC 1™\) report](#). The SSAE 16 certificate verifies controls and processes, as well as design and operating effectiveness. Customer data is retained as long as an account is in “active” status.



Data sharing

Collaboration and data sharing are secure-in most cases, more secure than storing and sharing data using common vehicles such as hard drives, portal drives, and email. With Thermo Fisher Cloud, [only the data owner can initiate sharing](#).

For additional information on cloud security, go to aws.amazon.com/security



**Who has access
to my data?**

Customer data is isolated and access is restricted to the data owner. All data uploaded by that user can be viewed only by that user. Each user account is segmented so that no other users have access to the data except when the data is shared. This “shared” access can be revoked by the originator at any time.

**Is my data
protected against
loss?**

Yes. Thermo Fisher Cloud follows robust industry standards for data backup and disaster recovery. It uses an AWS data center that has achieved SSAE 16–certification and has published a Service Organization Control 1™ (SOC 1™) report. The SSAE 16 certificate verifies controls and processes, as well as design and operating effectiveness. User data is retained as long as an account is in “active” status. Accounts will be “deactivated” upon a user’s request to discontinue the service or if the account is delinquent according to our Terms of Use.

For more security FAQs, visit

thermofisher.com/us/en/home/cloud/security