

SCOUT200 version 23.1 [June 2023]

Bently Nevada presents the v23.1 release of the SCOUT200 SI Collector App, delivering key new capabilities:



SCOUT200 v23.1

Support app on iOS

Cross Channel FRF for ODS

← About
🔋

Device Information

Serial Number: 000000
 Name: iOS
 Version: 13.9.9
 OS Version: 16.5
 Firmware Version: 23.1.1

Legal Information

ReadMe

Copyright Information

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← XChanFRF Vel 1kHz
🔋

DATA TYPES
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iOS not approved for use with SCOUT200 data collectors, only COMMTEST200.

Bently Nevada remains focused on delivering the world's premier plantwide machinery management solutions through bi-annual product releases.

Thank you,

Nigel Leigh, Product Line Manager

Sonu Jain, Technical Product Manager

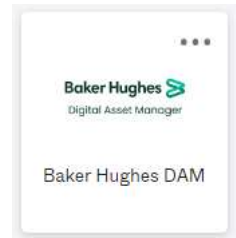
On behalf of your SCOUT200 Leadership and Development Teams.

1. V23.1 CAPABILITY OVERVIEW

SCOUT200 v23.1 Capabilities		
Feature	Description	Section
Support app on iOS	SI Collector app now supported on iOS	2
Cross Channel FRF for ODS	SI Collector app now allows you to measure Cross Channel FRF. This displays Coherence, FRF & Phase data, and Spectrum plot on Page 1 and 2 respectively. Cross Channel FRF data can be exported as a UFF File.	3

Note: A video providing an overview of the v23.1 SCOUT200 enhancements is in the Bently Nevada Tech Support Training Library. A valid M&S agreement is required to access the video. Steps to follow:

- Go to bntechsupport.com and either login or register for access.
- Select the tile labelled "Digital Asset Manager, Baker Hughes DAM"
- Select "Assets"
- Select Asset Type = Videos
- In the main search bar (top center), enter "SCOUT200"

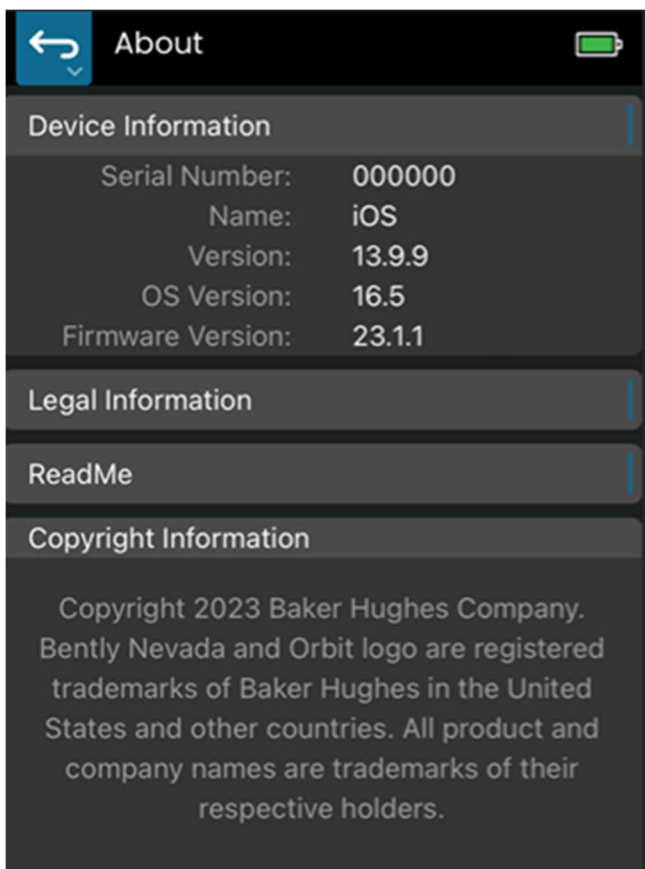


2. SUPPORT APP ON IOS

Note: iOS is not approved for use with SCOUT200 data collectors. Bently Nevada has concerns over the protection methods employed to certify iOS devices for use in hazardous areas. As such, the iOS app is approved for use with COMMTEST200 data collectors in non-hazardous areas only.

The SI Collector app is now available on the Apple App Store.
The app can be downloaded from the App Store by searching for "SI Collector".

SI collector app v23.1 is now supported on iOS and iPad OS handhelds (iPhone and iPad).
Supported OS Versions are 12 to 16.

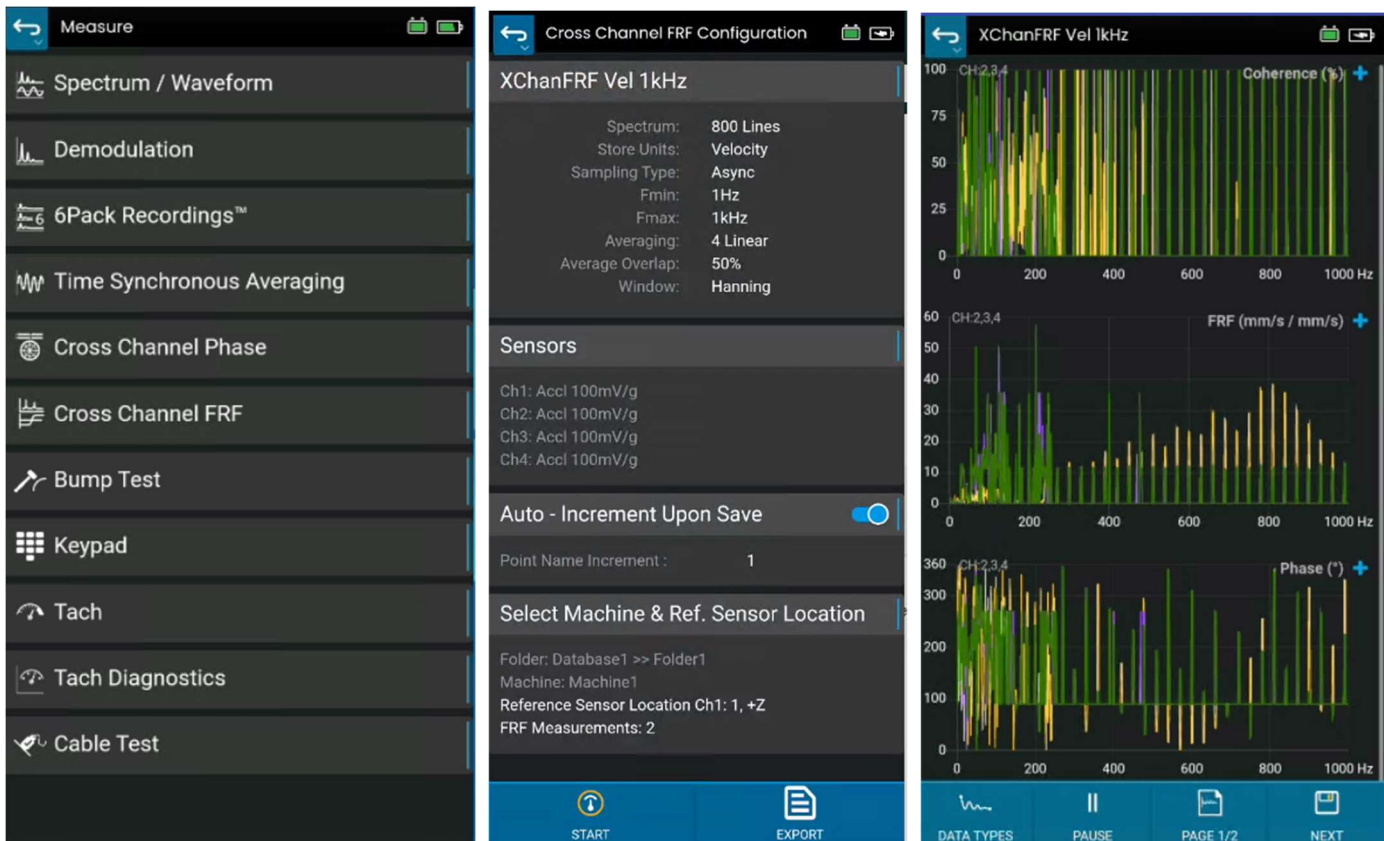


3. CROSS CHANNEL FRF FOR ODS

Cross Channel FRF (Frequency Response Function) measurements are typically taken to provide the data for an ODS (Operating Deflection Shapes) visualization of the vibration characteristics of a machine or structure. This is an advanced analysis technique which requires 3rd-party ODS software (not supplied by Bently Nevada).

The measurement process involves:

1. Planning the locations and orientations for all recordings on the machine or structure.
2. Setting up channels and sensors to measure the frequency range of interest.
3. Taking recordings at the specific locations and orientations, while keeping one sensor fixed as a reference.
4. Exporting the data as a UFF file (Universal File Format).
5. Reviewing the data, either:
 - a. On your instrument via the normal Record/Review mode.
 - b. Or in Operating Deflection Shapes (ODS) software such as ME'scope. The UFF file is copied from the handheld to the computer and loaded into the ODS software.



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