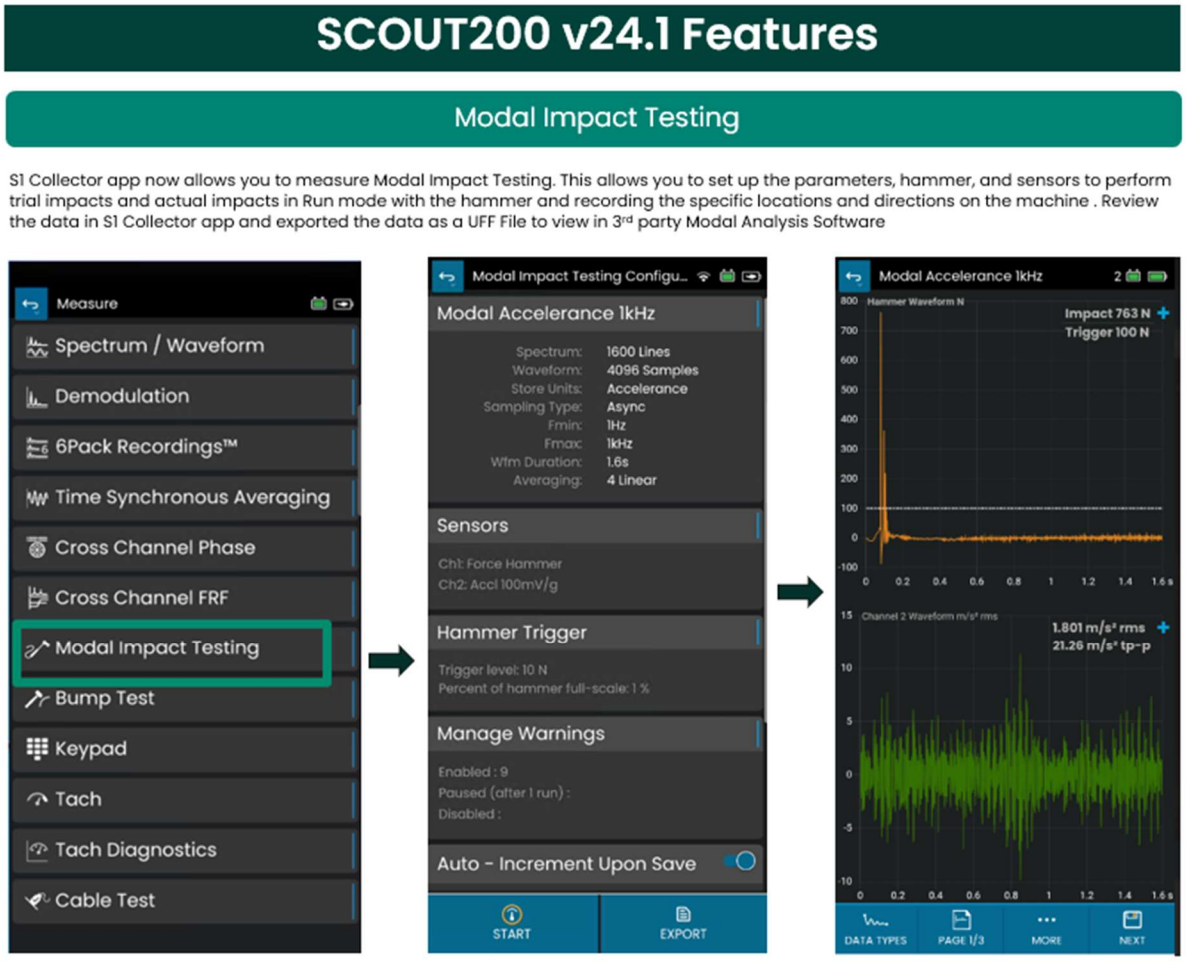
Bently Nevada

SCOUT200 version 24.1 [June 2024]

Bently Nevada presents the v24.1 release of the SCOUT200 S1 Collector App, delivering new and enhanced capabilities:



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

Thank you,

Gaia Rossi, *Product Line Manager*

Sonu Jain, *Technical Product Manager*

On behalf of your SCOUT200 Leadership and Development Teams.

1. V24.1 CAPABILITY OVERVIEW

SCOUT200 v24.1 Capabilities		
Feature	**Description**	**Section**
Modal Impact Testing	S1 Collector app now allows you to measure Modal Impact Testing. This displays Impact and Response Waveforms on Page 1, Coherence, FRF & Phase data on Page 2, and Spectrum plot on Page 3. Modal Impact Testing data can be exported as a UFF File.	1

Note: A video providing an overview of the v24.1 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:

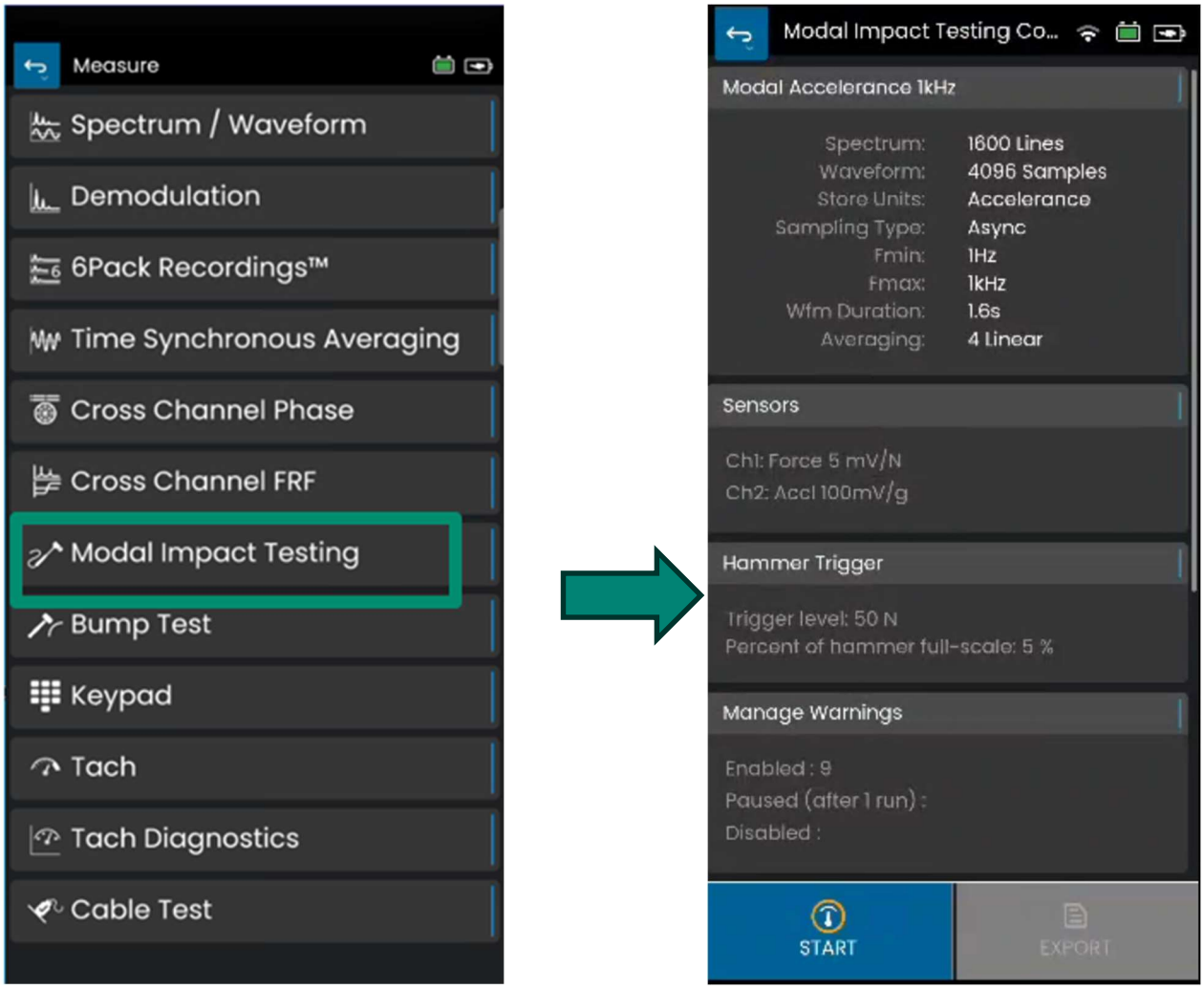
1. Go to bntechsupport.com and either login or register for access.
2. Select the tile labelled "Digital Asset Manager, Baker Hughes DAM"
3. Select "Assets"
4. Select Asset Type = Videos
5. In the main search bar (top center), enter "SCOUT200"

2. MODAL IMPACT TESTING

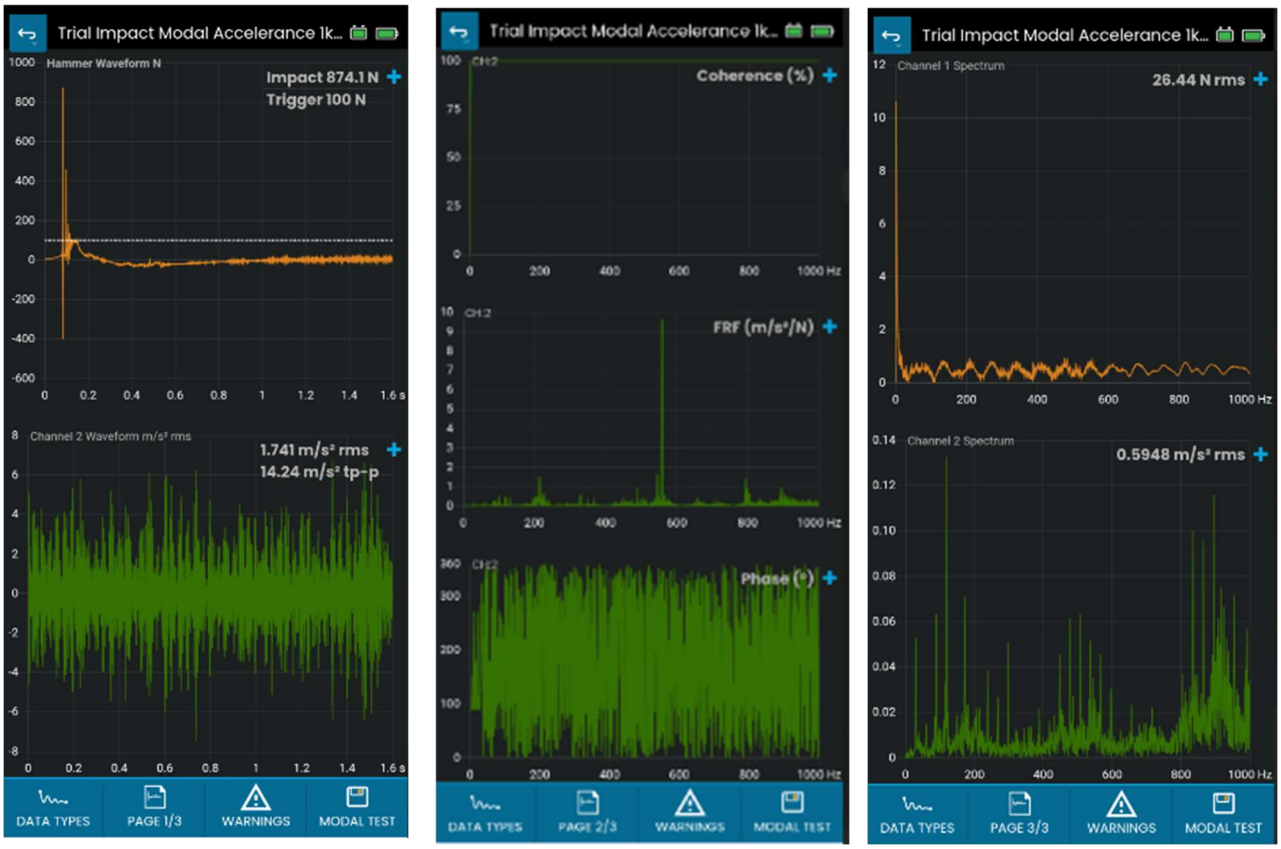
S1 Collector app v24.1 now allows users to perform Modal Impact Testing. Modal Impact measurements are typically taken to find the natural frequencies and vibration characteristics of a machine or structure. This is an advanced analysis technique which requires 3rd-party Modal analysis software (not supplied by Bently Nevada).

This process involves:

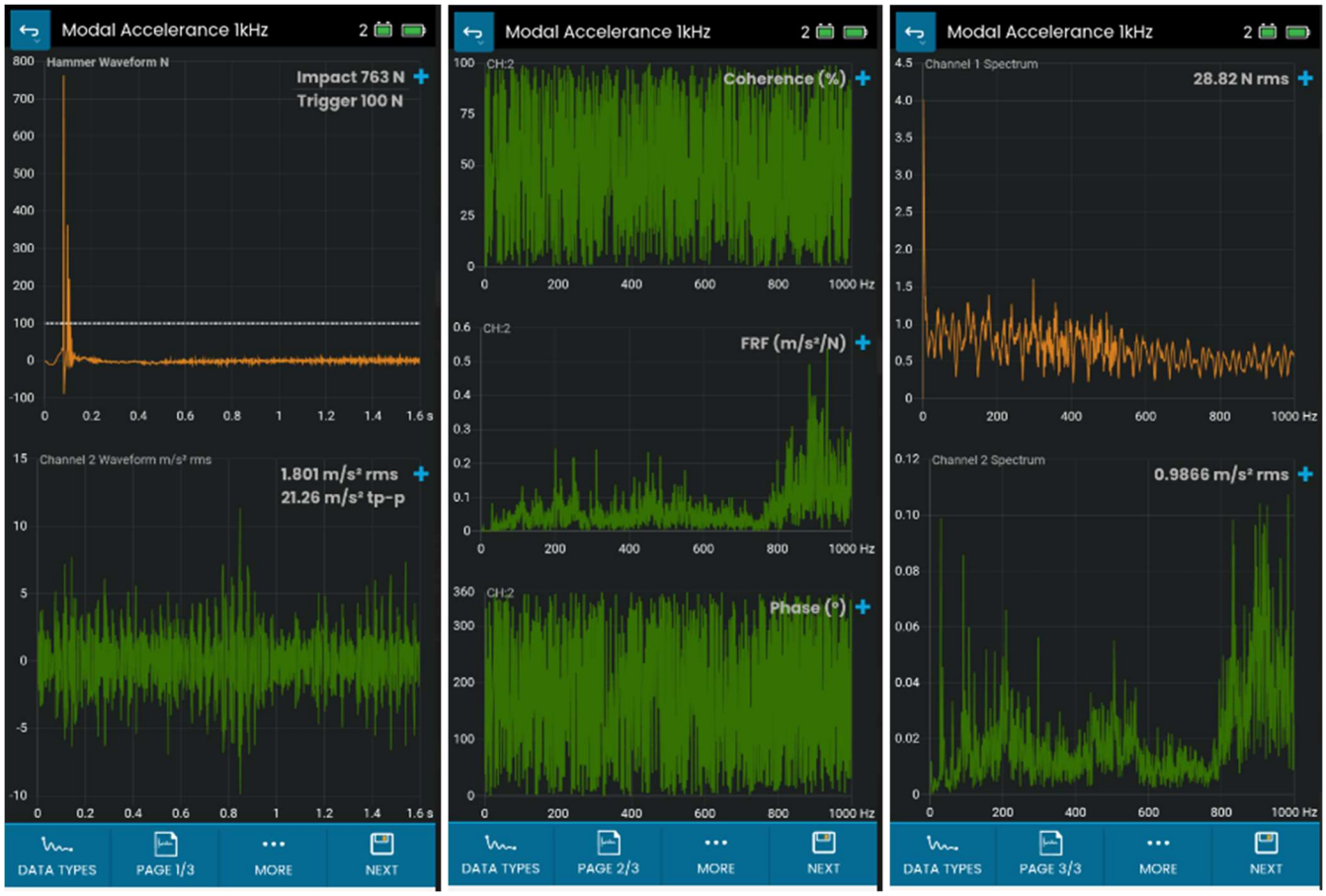
1. Planning and noting the locations and directions for the impact test.



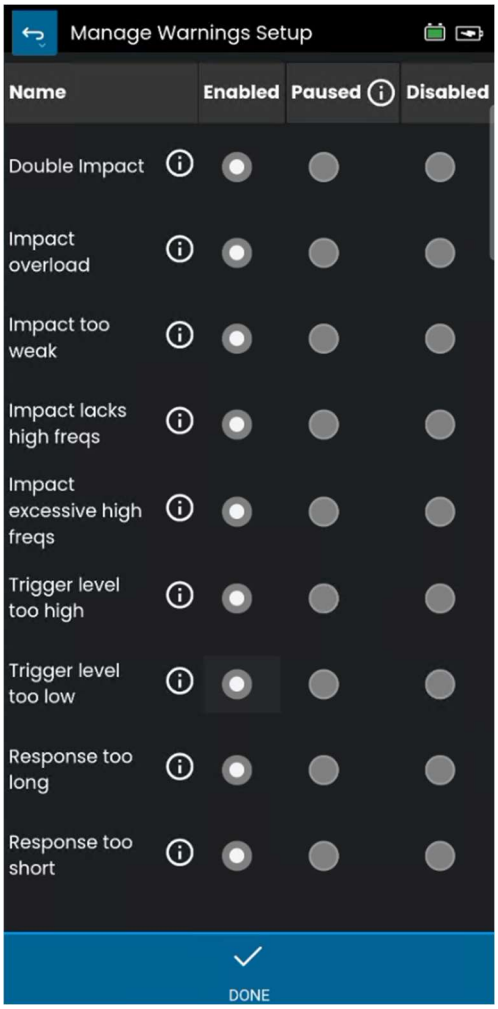
2. Setting up the parameters, hammer, and sensors to measure the frequency user is interested in.
3. Performing trial impacts with the hammer on the machine that is under investigation — This trial phase provides an opportunity to experiment with different hammer tips, locations, and settings, as well as force of impact to ensure you are prepared to take high quality recordings before proceeding with data collection.

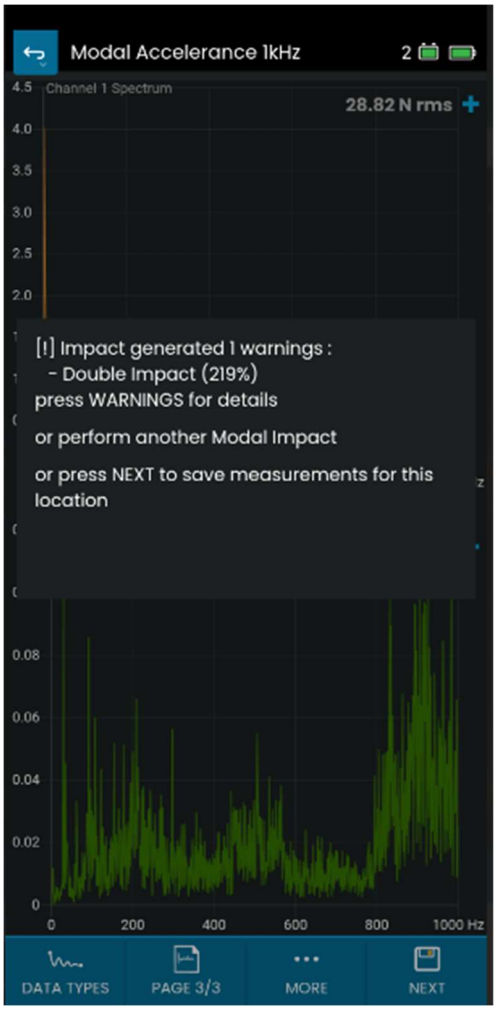


4. Performing actual Modal Impact Tests in Run mode and recording the specific locations and directions used.



5. A comprehensive series of checks are automatically performed for each impact, with a composite Warnings message informing the user of any issues. Suggestions are provided for correcting each issue. Any of the 9 warning types can be Enabled, Paused or Disabled, if required.





6. Perform the desired number of impacts at this measurement location.
7. Exporting the data as a UFF file (Universal File Format).
8. Reviewing the data, either:
    a. On your instrument via the normal Record/Review mode.
    b. Or in Modal Analysis software such as MEscope. The UFF file is copied from the handheld to the computer and loaded into the software.

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