

# SCOUT200 Series

Portable Vibration Data Collectors  
and Analyzers



# Performance. Safety. Precision. Brought to you anytime, anywhere.

SCOUT220IS

SCOUT240IS

COMMTEST220

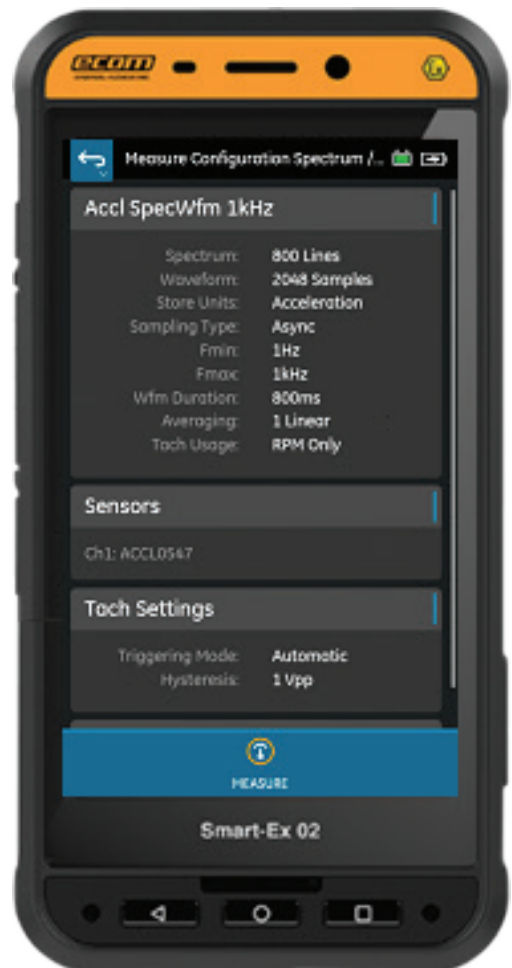
COMMTEST240

The Bently Nevada product line is synonymous with performance. For several decades, our condition monitoring and protection tools have been used, with more than two million points being monitored around the globe. Our products are trusted, reliable and revolutionary.

Now, Bently Nevada has taken the complexity out of monitoring your machinery.

The SCOUT200 series is the latest in innovative machine health monitoring, bringing simplicity and dependability when you need it most. These instruments increase operating efficiency across a range of industries.

Including these products in your suite of Bently Nevada condition monitoring and protection products will enhance your diagnostic reliability and provide outstanding accuracy in the field.









# Revolutionary

The SCOUT200 series brings industry-leading condition monitoring expertise to the world of portable data collection.

This pioneering technology is easy to use, making a typically complex data collection job simple and straightforward.







Using a product from this series enables accurate and reliable vibration data collection by non-expert users, letting your vibration analysts spend less time collecting data and more time analyzing it.

We have combined innovative and creative technology with a portable two-piece revolutionary system to create a small, lightweight, hip-mounted wireless data collector that you can rely on to provide remote, timely, accurate and clear diagnostics.

Bluetooth streams data directly from the data collector to a durable hand-held smartphone, which runs a specially designed vibration collection and analysis app.

The data collected can be uploaded to System 1 Evolution software for storage and further analysis.

The hand-held smartphone device is rugged, lightweight and portable, and when paired with the SCOUT220-IS or 240-IS unit, provides an intrinsically safe solution.

The handheld device is IP68 and MIL-STD-810G compliant and is designed to withstand the harshest environments—from exposure to water to hazardous and explosive situations.

The SCOUT200 series is the perfect business partner, lowering your operating and maintenance expenses while collecting data to help you monitor the condition and safety of your plant.



# Performance and Safety

The high-performing SCOUT200 series ensures your safety.

An industrial smartphone or tablet runs the specialist vibration analysis app, and includes standard handheld capabilities including camera, video, calling and 4G or 5G data transfer.

You can tailor the smartphone and app to your specific needs so the features you require are enabled. Choose a handheld device to suit your needs, either small for convenient data collection, or large for easy machine-side analysis. Or have both.







Bently Nevada's industry-leading System 1 Evolution condition monitoring and diagnostics software technology enables you to view your data in a single storage and analysis software platform.

This revolutionary technology is used by businesses worldwide to improve asset availability, reliability and overall maintenance effectiveness. By transforming data into actionable information, you can make informed decisions with confidence.

The SCOUT220IS and 240IS are fully capable and rated Intrinsically Safe (IS)-rated, providing full functionality in all operating environments. IS products ensure your safety and save you both time and money as Hot Work permits are no longer necessary and entry can be gained by only one operator.

SCOUT's combination of accuracy, ease of use and intuitive operations means minimal user training is required. For optimal performance, all functionality upgrades are available in the field.

For non-IS rated requirements ask for the COMMTEST220 or 240.

Designed to operate with any Android™ handheld, you can source from us or purchase your own. But do check our list of known-compatible handhelds.

# Product Overview

We understand every business has unique requirements.

Bently Nevada brings you four top quality, high-performing condition monitoring instruments each suited to different environments.

These revolutionary products bring together performance, safety and precision to help you get the most out of your production.





## SCOUT220-IS & 240-IS

SCOUT is a revolutionary high-performing vibration data collector that is small, portable and lightweight. **Both intrinsically Safe and fully capable.**

Certified IS, the SCOUT devices operate safely in hazardous areas as they are specifically designed to ensure there is no risk of producing enough heat or spark to ignite gases that may be present even if damaged.

If you want to know the condition of your assets in hazardous environments – send in a SCOUT.

- 2 channel = SCOUT220-IS
- 4 channel = SCOUT240-IS

## COMMTEST200 & 240

The COMMTEST devices boast the same capabilities as the SCOUTs, while being non-IS rated for businesses operating in less-hazardous environments. They perform to the same high-standard in every other way at a lower price point.

Key features common to all models are:


- 220 models have two sensor input channels, 240 models are four channel
- Additional keyphasor/tachometer speed input channel
- Unit has up to 10 hours use between charges
- Strap with two attachment points for comfort, movement and easy wear
- Lightweight data-collector at only 650g
- Rugged and field-proven LEMO cable connectors ensure long cable life
- The backing of full support from technical experts with extensive experience any time you need it

## System 1 Collector

- This custom-made app controls the data collector via bluetooth, and displays the vibration data
- Simple graphical information provides easy identification of vibration severity from complex data sources
- Intuitive use with either right or left hand, and can be operated with gloves on
- Easy to understand and use by providing clear information to help gather data quickly and effectively
- Excellent charting, even on a smartphone screen. Supports zooming and dual cursors with readouts
- Communicates data back to System 1 software via numerous paths – WiFi, USB, cellular data. Or use Bently Nevada's Remote Comms system, for secure data communications from anywhere in the world with a WAN or internet connection





An offshore oil rig stands in the ocean under a dramatic sunset sky. The rig is silhouetted against the bright orange and yellow sun, which is partially obscured by the rig's structure. The sky is filled with scattered clouds, some catching the low light of the sun. The ocean in the foreground is dark blue with white-capped waves. A white, hand-drawn circular line is overlaid on the right side of the image, framing the rig and the sunset.

**When you need to  
know the condition  
of your asset.  
Send in a SCOUT.**





## SCOUT is the trusted choice

- IS – You can trust an IS product to keep you safe in hazardous and explosive environments. SCOUT's IS rating means Hot Work permits are no longer necessary.
- Specifically designed to allow rapid and accurate data collection with less user training.
- Fully featured and functional with easy and efficient two-channel or four-channel capability.
- Unique design allows for use of the smartphone or tablet touch screen while wearing gloves.
- High-definition full-color screen for readability in any light, including direct sunlight.
- Lightweight for use over extended periods with minimal physical effort.
- Built-in communications support allows for less time collecting and more time analyzing data in any location. Bently Nevada's trusted Remote Comms data communications system securely processes data anywhere, anytime there is a wireless signal.
- System 1 support makes the SCOUT200 series fully compatible with your SCOUT100 and SCOUT140 or Commtest\* vbSeries\* instruments, complementing your existing software package.
- Durable and drop tested.
- The Android™ operating system means that other applications such as e-mail and work order systems can be used simultaneously on the multi-purpose handheld device.

**SCOUT220IS**  
**SCOUT240IS**  
**COMMTEST220**  
**COMMTEST240**