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Sound Viewer Compound Module

Part No.	Software Functionalities	Hardware
1. Sound Viewer Base Modul 2. Order Tracking Module 3. QC Testing Module	<p>In addition to the functionalities of Sound Viewer Base Module, Sound Viewer Compound Module is:</p> <ol style="list-style-type: none"> 1. Capable of establishing data bases in different working environment to extract target signals 2. Capable of extracting target signals and their characteristics in the presence of random background noise and unknown interfering signals 3. Capable of functioning at the negative signal to noise ratio 4. Capable of performing in-line and end-of-line QC testing in a non-ideal work environment 5. Capable of extracting target signals from mixed input data and discerning defective products from normal ones 6. Capable of performing order tracking of any rotating machine¹ 7. Capable of identifying the orders of any rotating machine as well as the speed ranges within any specific order that contain abnormal signals 8. Capable of identifying “hot spots” and determining the SPL values in linear and A-weighting scales in the presence of random background noise and unspecified interfering signals 	<ol style="list-style-type: none"> 1. One 3D Six-Channel Microphone Array 2. One 8-channel simultaneous data acquisition system, 24-bit, 100 kHz sampling frequency, six channels for six microphones, two channels for reference signals 3. Six ½” prepolarized free-field condenser microphone, with 50 mV/Pa (+/-1.5 dB) sensitivity over 3.15 Hz - 20 kHz (+/-2 dB) range, and ½” ICP® preamplifier (426E01) and TEDS 4. Six low-noise coaxial cable, blue TFE jacket, 10-ft, SMB female to BNC plugs 5. One Power Cord, AC, U.S., 120 VAC, 2.3 meters 6. One GERI Mini Face Detection Security USB Camera, with 1600 × 1200 pixels 7. One Bouch 62-inch Professional Digital Camera tripod

¹ Provided that a reference rotational speed signal is available.

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9. Capable of determining Sound Power Levels at any user-defined areas in linear and A-weighting scales and performing sources ranking
10. Capable of extracting any user-defined order or a combination of user-defined orders, playing back and comparing their sound signals with benchmark ones during run-up or run-down conditions

8. One professional carrying case