The design of the QL40-ABI2G-VLB (Very Large Borehole) is based on the successful and well known QL40-ABI2G tool. It has specially been designed to assess the integrity of large diameter cased holes - up to 30". The hardware/firmware innovations implemented in this tool offers new real-time processing options for the computation of casing thickness and a qualitative cement bond index (CADI). The CADI - Casing Amplitude Decay Index - is displayed as a 360° unwrapped image providing a high resolution image of the cement distribution around the entire casing circumference. Additionally up to 36 full waveforms of the echo can be recorded per scan circle to allow detailed postprocessing of the reflection pattern.

Specifications:
- Diameter: 40mm (1.6")
- Length: 6.7kg (14.7lbs)
- Weight: 1.62m (63")
- Temperat. (max): 70ºC (158ºF)
- Pressure (max): 200bar (2900psi)
- Azi. accuracy: +/- 0.5º
- Tilt accuracy: +/- 1.2º

Sensor:
- Fixed 1.2 MHz transducer, rotating and focusing mirror.

Meas. range:
- 250mm - 760mm (10"-30")

Res.:
- 0.16mm

Compatibility:
- OPAL, SCOUT, MATRIX

QL40 ABI2G VLB Ultrasonic Borehole Imager for large diameter casing integrity applications.