



# Wavemaker G3

## Third Generation Pipe Screening System

Guided Ultrasonics Ltd. (GUL) has improved upon their successful Wavemaker SE16 pipe screening system. Feedback from users has focussed improvements that enhance performance for the guided wave screening of pipes. Some of the areas of improvement include:

### Quiet

Wavemaker G3 achieves better range and sensitivity compared to the previous Wavemaker SE16 instrument, especially in the most challenging applications such as testing in noisy environments (for example offshore) and testing coated pipes (for example road crossings). This is due to substantial improvements in sampling resolution and filtering together with an additional high voltage output capability.

New features in the electronics provide better system reliability, direct data storage within the instrument, and improved connectivity.

### Robust

### Productive

The new WaveProG3 software, based on the proven WavePro algorithms, offers new straight-forward analysis options and automatic routines that greatly improve productivity and the quality of the presented results. These improvements make the equipment more user-friendly.

The Wavemaker G3 is designed to be compatible with all testing tools previously designed by GUL. It offers, however, more channels and new options for future planned developments.

### Flexible





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### Abbreviated G3 Technical Specification

Number of transducer channels	32	Screen	240x128 EL Display
Maximum number of averages	256	Communication protocol	USB (Mass Storage)
Maximum sample range	640ms (approx 950m)	Supported Op. Systems	Window 2000, XP
Receiving gain range	10-120 dB	Expandability	Built in USB Host
G3 Weight	8 kg	Capacitance check	0.1 nF accuracy on all channels
G3 Dimensions	44x14x40cm	Weight of 3 inch ring (complete)	6 kg
Run time on one battery charge	10 hours typical use	Weight of 24 inch ring (complete)	15 kg

