

# AN007 - C60 Application Note

## Acoustic measurement

Two PZT acoustic transducers were coupled together through a steel rod. One transducer was used as a transmitter, the other as a microphone (pitch catch). The overall system **amplitude response** is plotted showing classic mechanical resonances, followed by anti-resonance. The **phase** plot is classic loop. The squarer the loop, the higher the Q factor of the system.

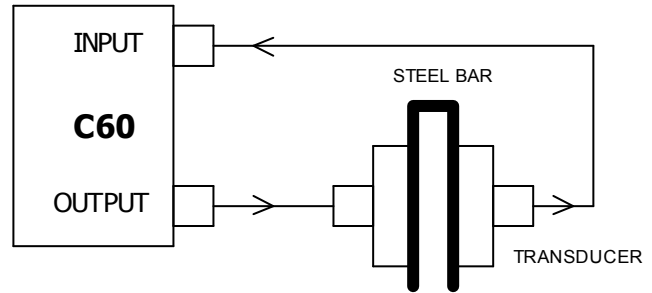


Figure 1. Connection diagram

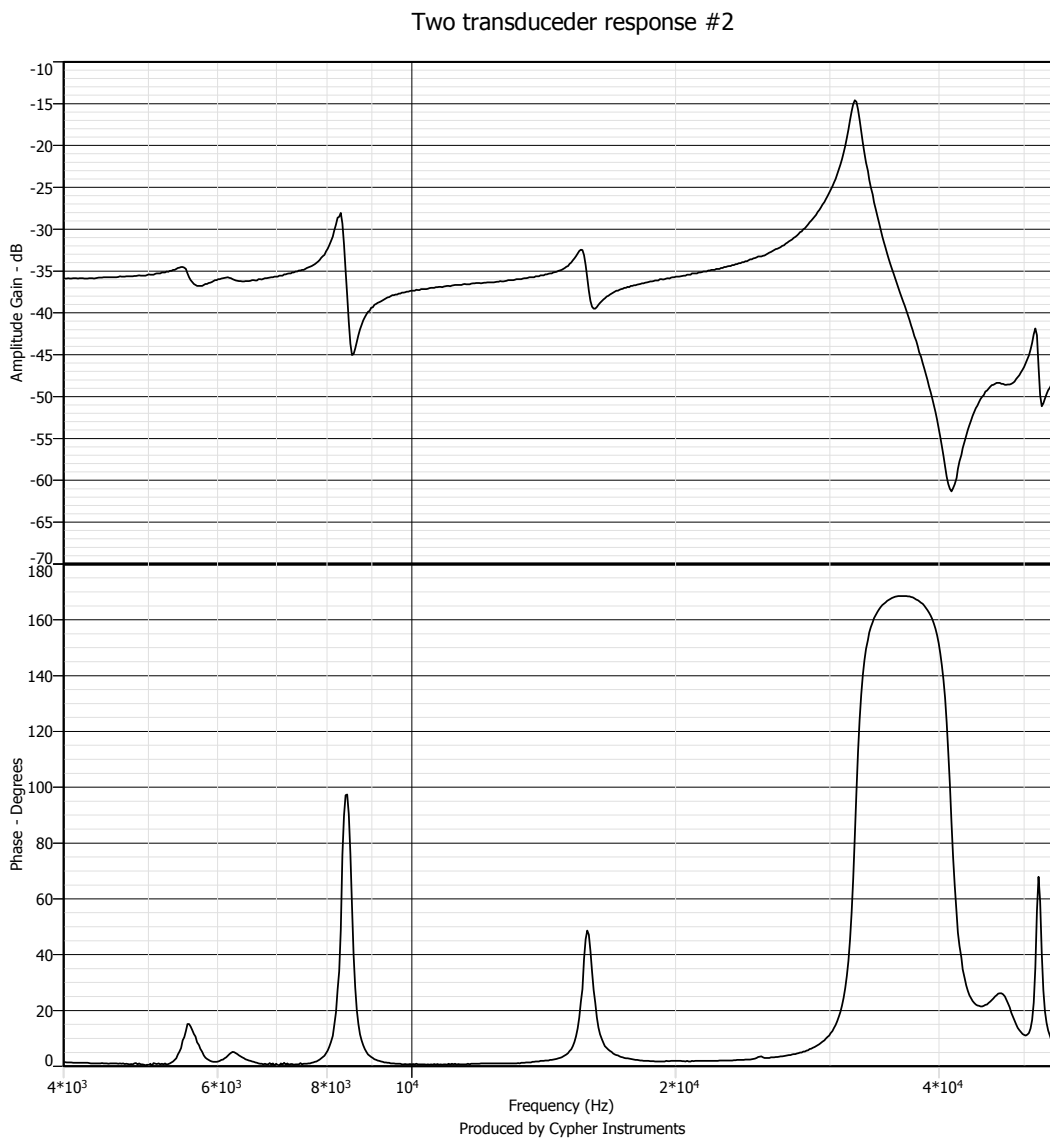


Figure 2. Amplitude response of acoustically coupled system