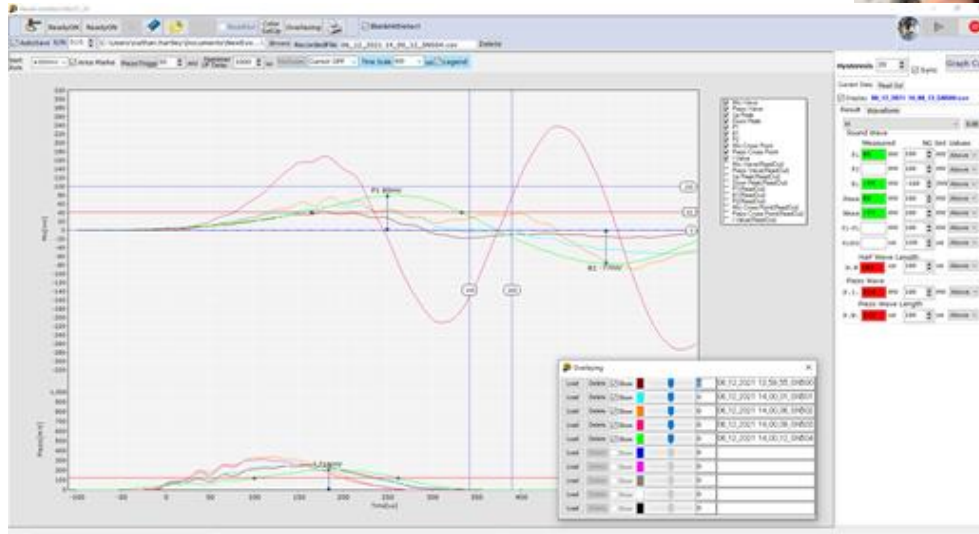




- Advanced Tap Tester using acoustic analysis method
- Two sensors (Piezo crystal and microphone) are used to capture responses from solenoid driven tapping device
- Software allows point measurements to be compared
- Potential to integrate with probe tracking and visualisation software





## Features:

- Monitoring of acoustic response (microphone) & feedback from piezoelectric crystal integrated in the actuator
- Easy operation
- ON line mode:
  - Quantitive & graphical display in real time
  - Logging of values (export to Excel)
- OFF line mode
  - Export to .csv file for analysis
- Different frequency settings
- Examination possible in noisy environments

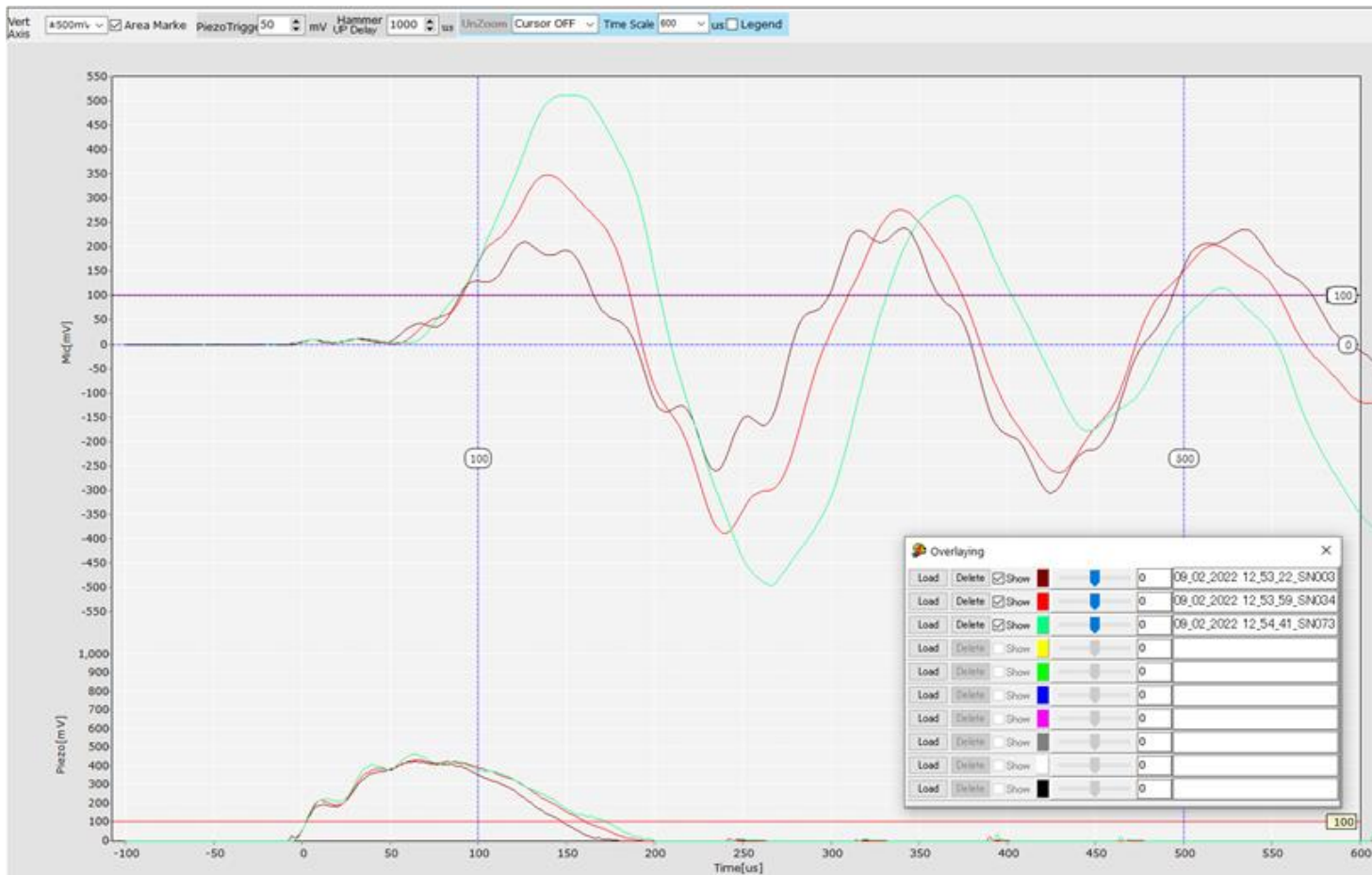


## Applications:

- Detection in: thick structural components (30 mm+)
- Detection of inserts & changes in structure
- Marine: inspection of bonded parts to include bulkheads, beams, hull/deck bond; currently being used to revalidate legacy lifeboats
- Offshore: inspection of skins, ribs & spar bonds to include lightning strike parameters of damage
- Civil: inspection for voids, ceramic tile bonds, material levels behind shuttering, concrete cancer, moisture damage



# Typical EVOTIS software display



1/07/2022





## WHAT'S IN THE BOX?



CD with  
software

4 x AA  
Batteries

Cables &  
replacement  
parts

Evotis Probe

4 x AA  
Battery Pack

Evotis Control  
Box



## Specification:

- Handheld device to be used in real time with a PC/laptop
- Size (mm) : H100 × W230 × L190
- Weight (Kg) : 2
- Power : 4 x AA batteries; life about 5 hours
- Monitoring of acoustic response (microphone) & feedback from piezoelectric crystal integrated in the actuator
- Optional probe tracking & visualization (3D) software



## Optional Probe Tracking and Visualisation Software

**DETAILS TO FOLLOW  
(WEEK 28)**