Prosig’s solution is not only the most simple to use and understand, but it’s 100% reliable giving perfect results every time.

The complex mathematics of windowing, transfer function type, frequency range is all taken care of. What’s more, the automated peaking picking algorithm will find the modes automatically for you.

Need to export test results to Word or Excel for FEA validation? No problem. It’s all included.
Impact testing, also known as bump testing, tap testing, or hammer resonance testing, involves the use of an instrumented force hammer to excite a structure in order to measure the response with an accelerometer.

What are the advantages of Prosig’s Hammer Test System?
- Straightforward to use
- Fast
- Reliable
- Accurate
- Comes with access to Prosig’s market leading front line support team

Prosig’s solution is not only the most simple to use and understand, but it’s 100% reliable giving perfect results every time. The complex mathematics of windowing, transfer function type, frequency range is all taken care of for you. What’s more, the automated peaking picking algorithm will find the modes automatically for you. Need to export test results to Word or Excel for FEA validation? No problem. It’s all included. It has never been so easy or cost effective to perform modal analysis!

Everything you need to start performing modal hammer tests:
- Data acquisition system (data logger)
- Complete software suite
- Instrumented hammer
- Accelerometers

Already got a hammer and accelerometers? No problem. The logger & software bundle is available on its own.

### Hammer Impact Test System

**Hardware**

Prosig Data Acquisition System
- 24-bit
- 4 analogue input channels
- Up to 100k samples/sec per channel
- Dynamic range: 100dB
- Noise floor: -130dB

**Software**

Prosig DATS Hammer Software
- Frequency Response Functions
- Double Impact Detection
- Accept/Reject by User
- Automatic Averaging
- Report Generation
- Word/Excel Export

**Options**

Sensors Option 1
- Instrumented Hammer
- Single-axis accelerometer

Sensors Option 2
- Instrumented Hammer
- Tri-axis accelerometer

Whilst every effort has been made to check and validate the accuracy of all information within this datasheet, Prosig reserves the right to change or withdraw any product without prior notice. The information contained in this datasheet may change and shall not form part of any contract.