



*Our compact load bank*



*Hand Held Terminal in use during a real test*

**Load testing** is the process of putting demand on a system or device and measuring its response. Load testing is performed to determine a system's behaviour under both normal and anticipated peak load conditions. It helps to test measuring elements on the main switchboard as well as onboard protections. Load testing a generator is a must whenever a new unit has been installed, especially in a classed yacht where such a test must be carried out in the presence of a class inspector. Again after major overhauls or repairs, load testing will guarantee all the installation is safe and completely operational.

With our two load banks to suit different sizes of gensets Astilleros de Mallorca is your best choice to test any generator on board a yacht. Our **modern portable load bank** provides fast and accurate testing with maximum efficiency. Maximum capacity at 380V is 340Kw with a load step resolution as low as 1 Kw. All measurements are made using high accuracy voltage and current transformers located within the load bank. This information is processed digitally, using high speed sampling of the raw data. This provides full three-phase, high speed and true rms measurements. With its robust Intelligent Hand-held Terminal for **remote operation** with full 3-phase instrumentation, our personnel will be able to control applied load from engine room allowing attendees to visually control all test. For bigger generators our **custom load bank** will take the baton, providing continuous load control, and proven reliability in tests performed for 30 years.

Gensets manufacturers recommend the units should be loaded quite hard for the first 100 hours of operation, 75% of rated power is enough, but never go below 50%. Chief engineers expecting problems to run their gensets at that load may hire our load bank to provide the necessary load.

**Please ask us for more information or a quotation**

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