

FastBallast Quick Start Guide

PACKING LIST

A checklist of the equipment provided with the FastBallast CMD is provided in the FastBallast System Handbook, Table 4: The FastBallast Packing List.

WARNING



Before using the product, you should read the supplied FastBallast System handbook (2473-100-HB), paying particular attention to the safety information and warnings.

SUPPORT

For technical information and customer support, use the QR code below.



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1 THE FASTBALLAST INSTRUMENT

Error! Reference source not found. shows the FastBallast instrument with the supplied Galaxy Tab A9 Android Tablet.



Item	Description	Item	Description
1	Android tablet	(5)	Charging indicator LED
2	Illuminated power button	6	Power in (15 VDC) connector
3	USB connector	7	Stirrer (in transport location)
4	Stirrer connector	8	Sample chamber

Figure 1: The FastBallast instrument.



2 RUNNNG A TEST

If the FastBallast battery unit is completely discharged, it should be charged for at least 30 minutes before use. The basic steps needed to run a test are outlined in Table 1.

	OPERATION	IMAGE		OPERATION	IMAGE
1	Place the FastBallast on a secure level Surface. Open the FastBallast lid.		2	Turn on the FastBallast by pressing the Power Button on the top panel until it illuminates. Remove the Tablet from the lid. The Tablet can be either retained in the lid or hand-held while running a test.	Formation 1
3	Wait a minute before switching-on the Tablet and launching the FBtest application.		4	When the Home screen appears press the test button: to initiate a test run.	O STATE OF S
5	A dialogue box will appear. The ship's IMO Number, Tank ID and Tester Name must be entered before the test can be run.	Springer The State T	6	Remove the Stirrer from the Sample Chamber where it is stored during transit. Move the Stirrer collar to the test position by sliding it down the barrel and rotating until it clicks into position.	FastBallast
7	Fill a Measuring Cup with sample to the base of the rim grooves (~20 mL).	0	8	Put the Stirrer to one side and place the Filter Funnel into the Sample Chamber, as shown. And then pour the sample through the Filter Funnel.	
9	Remove the Filter Funnel and place the Stirrer in the Sample Chamber, ensuring it is correctly registered (as indicated by the red circle).	FastBallast	10	Press the Run button in the dialogue box to initiate the measurement sequence.	Pour 20 ml of filtered liquid into the sample chamber. Place the stirrer unit on-top of the sample chamber and plug it in.

Table 1: Basic operating instructions.



2.1 RESULT SCREEN

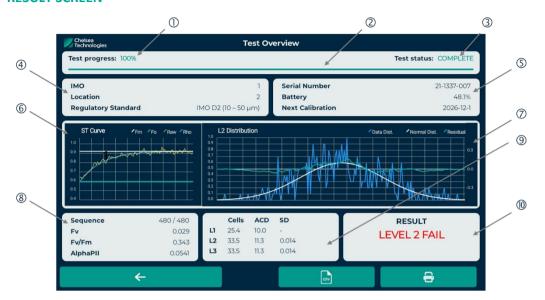


Figure 2: Test Overview screen.

Item	Function	Description	
①	Test Progress Field	Indicates the test completion percentage.	
2	Test Progress Bar	The Progress Bar provides a visual indication the time to test completion.	
3	Test Status Field	Describes the current test phase.	
4	Test Data Box	Summarises the test data entered at the start of the test.	
\$	FastBallast Information Box	Provides a summary of the connected FastBallast configuration.	
6	ST Curve Plot	This window plots the averaged sequence data from the last test point.	
Ø	ST Parameter Plot	This window appears after three test points have been acquired. For the first 120 test points only a running trace of F_m , F_0 and F_v are plotted. After this, the window can be toggled sequentially between the ST Parameters and the L2 and L3 distribution histograms (blue).	
8	Test Point Data Window	This window displays the current sequence number and the derived parameters for the last acquisition test point.	
9	Results Box	The results box is updated 4 times during a test. The L1 test results are presented After 120 acquisitions. Results for L2 and L3 analyses are subsequently updated after 240, 360, and 480 acquisitions.	
100	Final Results Box	The final test result is presented in this box after 480 acquisitions.	

Table 2: The Run Test screens.



2.2 AFTER RUNNING A TEST

To prepare for the next test follow the steps listed in Table 3.

STEP	ACTION	IMAGE	
1	Remove the Stirrer and rinse gently with tap or deionised water then dry it with kitchen towel or equivalent.		
2	Empty the sample chamber using the Syringe fitted with a short length (~50 mm) of the silicone tubing supplied. Alternatively, a couple of pieces of kitchen towel can be used to soak up the sample.	OBD Plasticak	
3	Wash the sample chamber out with tap water or deionised water at least twice, using the Syringe or kitchen towel to empty the chamber each time.		
4	Dry the chamber out with a clean piece of kitchen towel.		

Table 3: Steps to perform after a test is completed.

2.3 SHUTTING DOWN

2.3.1 Quitting FBtest

To exit the FBtest application:

- 1. Swipe up from the bottom of the screen to access the Android dock.
- 2. Select the icon with the 3 vertical lines to display the open applications.
- 3. Swipe the FBtest window to the top of the screen to exit.

2.3.2 Switching off the FastBallast

To switch off the FastBallast, hold down the Power Switch for a few seconds until the illuminated ring flashes green.

The FastBallast will flash once after a few seconds, indicating that it has fully shut down.

Do not attempt to restart the FastBallast before it has fully shut down.



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