

Name of organization QinetiQ (Haslar)		Year of information updating 2018
Year established 1887		Year of joining the ITTC Since its foundation
Address Haslar Marine Technology Park, Haslar Road, Gosport. PO12 2AG United Kingdom		Status in the ITTC Executive Committee member Advisory Council Member
Contact details (phone, fax, e-mail) Andrew J Peters (Head of Hydrodynamics & Hyperbarics) Tel: +44 (0)23 9233 5217 Fax: N/A e-mail: ajpeters@QinetiQ.com		Website www.QinetiQ.com
Type of facility Seakeeping/manoeuvring basin	Year constructed/upgraded 1950s	
Name of facility Ocean Basin	Location (if different from the above address) As above	
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) 122m (L) x 61m (W) x 5.5m (D)		
Drawings of facility Top-view plan		
<p>The diagram shows a top-view plan of a rectangular basin. The total length is 122m and the width is 61m. In the center is a circular rotation arm with a 27.5m radius. Along the right wall is a wavemaker. Six ultrasonic wave probes are arranged in a 2x3 grid in the center of the basin. On the left wall, there are two model lifts (1 tonne and 1.5 tonne) and a dock (9.0 x 2.0 x 3.7 m). On the right wall, there are two cranes (5 tonne and 6 tonne). The basin is filled with water, and the rotation arm is shown in a cross-section view.</p>		
Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)		
Carriage:	N/A	
Rotating Arm:	Max speed 0.6 rad/s, max acceleration 0.039 rad/s ² , 7.5m ≤ test radius ≤ 27.5m	
Wavemaker:	Wet-back flap, 122-paddle design capable of generating regular waves up to 0.85 m in height, and irregular waves with significant heights up to 0.46 m.	
Current generation:	N/A	
Wind generation:	Not fitted as standard.	

Applications (Tests performed)

Seakeeping
Calm water manoeuvring
Manoeuvring in waves
High-speed manoeuvring
Renewable energy devices (wave energy)
ROV/UUV/USV tests
Submarine depth-keeping, autopilot and control tests

Published description (Publications on this facility)
Journal of Naval Science, Vol 14, No.2 (1988)