

INTERNATIONAL TOWING TANK CONFERENCE - CATALOGUE OF FACILITIES  
TOWING TANKS, SEAKEEPING AND MANOEUVRING BASINS

OSAKA UNIVERSITY DEPARTMENT OF NAVAL ARCHITECTURE AND OCEAN ENGINEERING 2-1 YAMADAOKA SUITA, OSAKA 565. TEL.(06)877-5111 FAX.(06)878-5364		JAPAN
SMALL TANK (1980)		
<div style="text-align: right;">PROFILE</div> <div style="text-align: center;">PLAN</div> <div style="text-align: right;">UNIT: cm</div>		
DIMENSION	:	14.0×0.3×0.5 m, acrylicfiber
MODEL	:	Wood, FRP
WAVE GENERATION	:	wave length 0.3~4.0 m, max. wave height 0.08 m, regular waves, irregular waves, transient waves
WAVEMAKER TYPE	:	plunger type or pneumatic type (changeable), 0.1 kw DC-motor drive, analogue signal stored in data recorder
WAVE ABSORBER	:	digital controlled active wave absorber
WAVE MEASUREMENT	:	super-sonic and/or resistance type
MEASUREMENT	:	micro-computer for data acquisition and for wave absorption
TESTS	:	forced oscillation test, moored body motion, wave generation and absorption, added resistance of 2-D body, hydrodynamic force in concentrated waves, shallow water experiments, photo of wave motion
NOTE	:	1) small towing carriage (DC-motor drive) 2) changeable water depth
PUBLISHED DESCRIPTION:		