

≡ WAVE GENERATOR AND BEACH

FC300N

A wave generator and beach model for use with the FC300 flow channels. Allows variable control of wave frequency, as well as manual adjustment of amplitude. Demonstrates the dissipation of waves impinging on a beach.



DESCRIPTION

A wave generator to allow investigations into the generation and motion of waves in an open channel.

The generator comes with two 'beach' sections, one permeable and one solid.

The sand supplied with the FC300 flume can be used with the wave generator for the study of dune and beach formations.

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SPECIFICATIONS

TecQuipment is committed to a programme of continuous improvement; hence we reserve the right to alter the design of a product specification without prior notice.

DIMENSIONS

WAVE GENERATOR	364 mm (height), 472 mm (width), 596 mm (length), 25 kg (weight including beaches)
PADDLE AND ARM	300 mm (width), 610 mm (height), 60 mm (depth), 7.5 kg (weight)
CONTROL BOX	350 mm (width), 235 mm (depth), 450 mm (height), 9.5 kg (weight)
GUARD	1010 mm (length), 490 mm (width), 330 mm (height), 9 kg (weight)
BEACH (EACH)	1500 mm (length), 300 mm (width), 50 mm (depth), 15 kg (weight)

STANDARD FEATURES

- Five-year warranty
- Manufactured in accordance with the latest European Union directives
- ISO9001 certified manufacturer

OPERATING CONDITIONS

OPERATING ENVIRONMENT:

Laboratory

OPERATING TEMPERATURE RANGE:

5°C to 40°C

OPERATING RELATIVE HUMIDITY RANGE:

80% for temperatures up to 31°C, decreasing linearly to 50% relative humidity at 40°C

ESSENTIAL SERVICES

ELECTRICAL SUPPLY:

Single phase 110 VAC or 230 VAC (as supplied by the FC300 main control box).

ESSENTIAL BASE UNIT

- Flume (FC300)