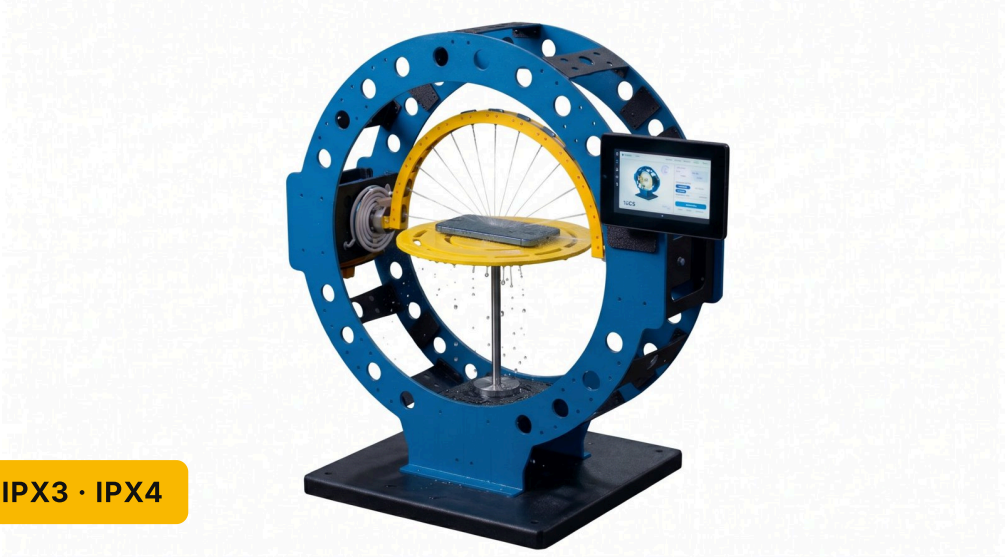
ORMITY
COMPLIANCE TEST EQUIPMENT

Oscillating Tube Apparatus IPX3 / IPX4 — R200

TECHNICAL DATA SHEET



OT-R200 · IPX3 · IPX4

Fully automatic spraying and splashing water test to IEC 60529 method A. Two water channels switch automatically between IPX3 and IPX4 — no hole plugging, no manual valves. Touch-screen control, turntable with 90° indexing, flat-pack aluminium frame.

STANDARDS

Water tests	IEC 60529 §14.2.3 a) IPX3 · §14.2.4 a) IPX4
Household appliances	IEC 60335-1 §15.1 — IPX4 ±90°, 5 min

TEST PERFORMANCE

Tube radius	R200 mm
Spray holes	13 at 50 mm pitch · 0.07 l/min each
IPX3	±60°, 4 s per oscillation, channel 1 (9 holes), 10 min, sample turned 90° at half time
IPX4	±170° (turntable shaft below), 12 s per oscillation, channels 1 + 2 (13 holes), 10 min
Development mode	free test time for product development
Turntable	Ø350 mm, top on the pivot axis, ≤ 5 kg, water drains through

CONSTRUCTION

Frame	two rings of laser-cut aluminium 5052, powder-coated, bolted — no welds
Drives	stepper motors with worm reducers, shafts sealed by lip seals, optical position sensors, overtravel protection
Water path	2 solenoid valves 24 VDC, coiled hoses on the shaft — no rotary union

CONTROL

Operator panel	7" capacitive touch screen 1024 × 600, 7 languages, built-in help, emergency stop
Connectivity	Wi-Fi, optional and protected

UTILITIES

Power	100–240 VAC, 50/60 Hz
Water	3/4" GHT inlet · ≈ 6.3 l per IPX3 test, ≈ 9.1 l per IPX4 test

DIMENSIONS

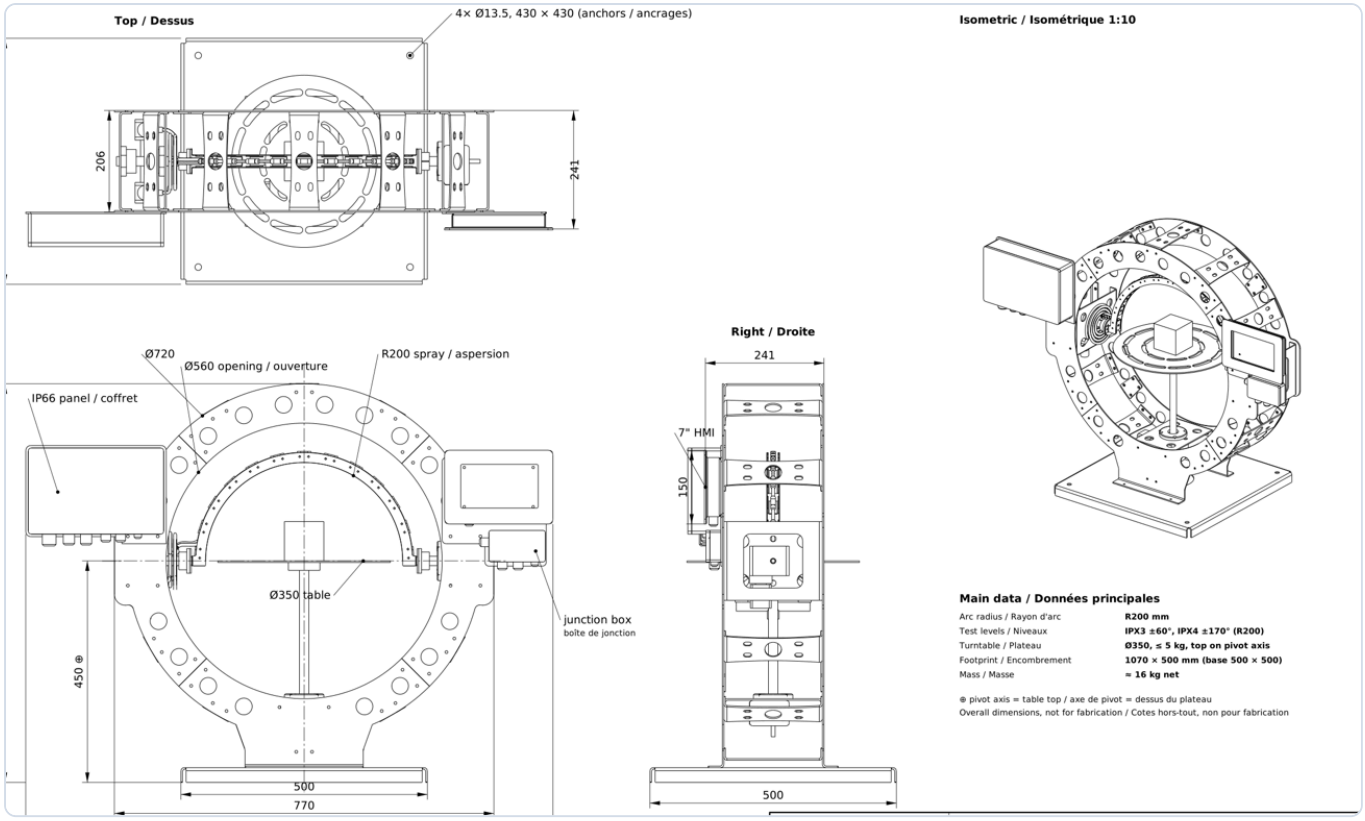
W × D × H	1070 × 500 × 810 mm
Base	500 × 500 mm, 4 × Ø13.5 at 430 mm for anchors or casters
Pivot axis height	450 mm
Net mass	≈ 16 kg

SHIPPING

Crate	plywood, ISPM-15 · assembled, lying on its back, screen up
Flat-pack option	624 × 624 × 353 mm, ≈ 29 kg gross

OPTIONS

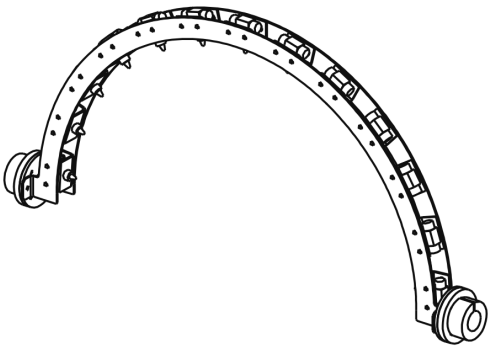
Spray arc	OT-ARC200 (included)
Water Recycling Management — OT-WRM	drum on pallet with pumps, filters and demineralised water, collecting tray
Model range	OT-R200 · OT-R400 · OT-R1000 (in development, pre-sale)



Overall dimensions, mm



Shipped assembled, lying on its back with the screen up



OT-ARC200

R200 mm · 13 holes / trous
included / inclus

Interchangeable spray arcs, same scale — isometric wireframe

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Validation code: `OT-R200-DS-A · EB12-B35A` · Specifications may change without notice. Photo-realistic rendering.