



LLS QUICK VIEW · YAMATO SCIENTIFIC

Muffle Furnace with Communication Port 7.5 L , 220V

SKU FO-311CR · Thermal Processing · Muffle Furnaces

The Yamato FO-311CR is a 7.5 L benchtop muffle furnace reaching 1150 °C with ± 2 °C control accuracy at top temperature, on a low-mass ceramic-fiber



TECHNICAL SPECIFICATIONS

VOLTAGE

220V AC single phase, 50/60 Hz (base FO310: 200V, 11 A)

EXTERNAL DIMENSIONS

446 × 505 × 566 mm (W×D×H)

HEATER

Iron-chrome wire (Kanthal AF), 2.0 kW

WEIGHT

Approx. 37 kg

CLASS / TIER

Capital — high-temperature furnace / Tier 2

SAFETY DEVICES

Earth-leakage/circuit breaker, thermal fuse...

SETTING / DISPLAY

Digital setting; digital display

OPERATION FUNCTIONS

Fixed temperature; timer (auto-stop, auto-start); program...

TEMP RANGE

100 to 1150 °C

INTERNAL DIMENSIONS

200 × 250 × 150 mm (W×D×H)

SENSOR

R thermocouple (W sensor)

COOLING FAN

Axial fan motor

CONTROL SYSTEM

PID control by VS4 controller

MODEL / CAPACITY

Yamato FO310 (FO-311CR, comm-port gen) — approx. 7.5 L

ADJUSTMENT ACCURACY

± 2 °C (at 1150 °C)

ADDITIONAL FUNCTIONS

Lock function; auto recovery after power failure...

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