



QCT Condensation Tester

QCT Overview

The QCT® condensation tester is based on the Cleveland Condensing Humidity Cabinet, originally designed by the Cleveland Society for Paint Technology. The QCT tester simulates rain and dew by condensing liquid water directly onto the test specimen. The QCT condensation tester has an automatic dry-off system, which works by blowing heated air into the test chamber.

The QCT can perform standards like ISO 6270-1 that produce continuous, single-sided condensation with specimen backs exposed to cool laboratory air. Using a special accessory, the QCT can meet standards like ISO 6270-2 with enclosed condensing humidity. Customized cycles of wet and dry periods can be programmed using the full-color touchscreen display (available in 17 languages). The QCT tester is shipped completely wired and assembled.

Features

Test Capacity:	62 Panels 3 × 6 in (75 × 150 mm) or 48 panels 4 × 6 in (100 × 150 mm)
Weigh Capacity:	100 lbs (45 kg) evenly distributed when using the Humidity Enclosure
Internal Dimensions:	
(w × d × h) max, bottom	47 × 19 × 10 inches (120 × 48 × 25 cm)
(w × d × h) min, top	47 × 6 × 10 inches (120 × 15 × 25 cm)
Size (w × d × h):	54 × 21 × 53 in (137 × 53 × 135 cm)
Weight:	Equipment weight - 175 lbs (80 kg); Shipping weight - 275 lbs (125 kg)

Temperature

Ranges from room temperature to 162 °F (72 °C). Heater is 1500 W. Thermostat is sensitive bulb type adjustable from 80 °F-162 °F (27 °C-72 °C). Heat input control is infinitely variable from 5% to 100% rated input. Thermometer is stainless steel stem type with dial.

Construction

Corrosion-resistant anodized aluminum construction. Water pan is stainless steel.

Electrical

120 V ± 10%, 1-Phase, 60 Hz, 14 A -or-
230 V ± 10%, 1-Phase, 50 Hz, 7 A -or-
230 V ± 10%, 1-Phase, 60 Hz, 7 A

Transformer kits available for 100 V or 200 V operation.

Water System

Automatic water feed connects to 1/4 in (6 mm) plastic tubing. Water consumption approximately 2 liters of tap water per day.

Warranty

The QCT condensation tester is guaranteed against defects in workmanship or materials for one year. Liability is limited to replacing or repairing any part or parts which are defective in materials or workmanship and are returned to our factory, shipping costs prepaid. Liability in all events is limited to the purchase price paid. Damage due to accident or abuse is not covered. Labor and travel costs are not covered. Q-Lab Corporation makes no other warranties, including implied warranties of merchantability or fitness for a particular purpose, except as may be expressly provided by Q-Lab Corporation in writing. Q-Lab Corporation shall not be liable for any incidental, consequential, special, or contingent damages arising out of the sale or use of any product.



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