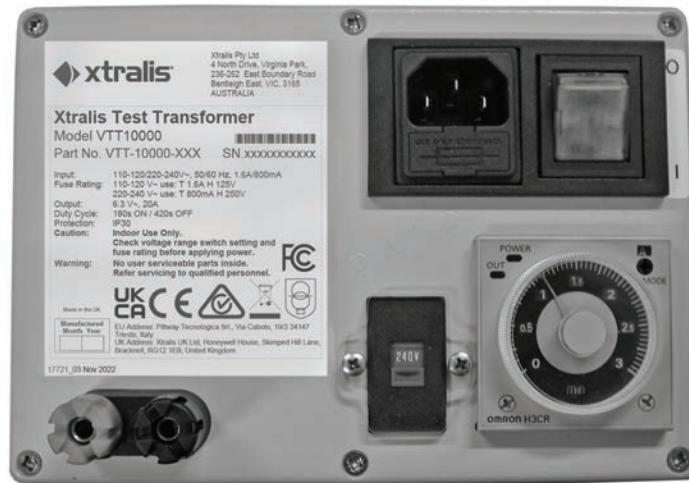


XTRALIS TEST TRANSFORMER

VTT-10000



The Xtralis Test Transformer VTT-10000 (previously known as the Hot Wire Test – Power Supply Unit (PSU)) is a tool designed to test very early warning Aspirating Smoke Detection (ASD) equipment.

How it Works

The unit generates a high current that flows through a test cable, heating it to the point where the insulation burns and produces smoke for the purpose of testing.

The maximum operating time for the unit is three minutes, after which it must be switched off and allowed to cool down for a minimum of seven minutes before being used again.

- **ON State:** when the unit is turned ON, the “POWER” indicator flashes a green light and the power is applied to the output terminals until the set time has elapsed.
- **OFF State:** once the timer expires, the output is automatically switched OFF and the “OUT” indicator illuminates a red light while the “POWER” indicator remains illuminated.

Timer

The unit is equipped with an integrated timer that allows the user to select a burn duration of up to three minutes. This feature also helps prevent the unit from being unintentionally left operating for extended periods.

The timer automatically resets when the switch is turned OFF. When the switch is turned ON again, the unit operates for the previously set duration.



Thermal Switch

The unit is equipped with a thermal protection switch to safeguard against overheating. This safety mechanism prevents the unit from operating for extended periods (up to one hour) once an over-temperature condition is detected, regardless of power availability. Moreover, the thermal switch cannot be bypassed or manually reset, ensuring reliable protection and safe operation at all times.

Features

- Tests very early warning ASD equipment
- Incorporates a timer to provide a selectable burn period of up to three minutes
- Embedded thermal switch to protect against overheating

Listings / Approvals

- EN 61558-1:1997 Safety of power transformers, power supply units and similar
- EN 61558-2-6:1997 Particular requirements for safety isolating transformers for general use
- EN 50081-1 EMC-Generic Emissions
- EN 50082-1 EMC-Generic Immunity
- FCC Part 15 Class A Emissions
- CE
- UKCA

Regional approvals listings and regulatory compliance vary between product models. Refer to www.xtralis.com for the latest product approvals matrix.

XTRALIS TEST TRANSFORMER

TECHNICAL SPECIFICATIONS



Specifications

Type	VTT-10000
Weight	2.85 kg
Dimensions (LxWxH)	17.2 cm x 12.1 cm x 13.3 cm
Voltage Input	220-240 VAC, 50 Hz or 110-120 VAC, 60 Hz
Input Rating	800 mA @ 240 VAC, 50 Hz, 1.6 A @ 120 VAC, 60 Hz
Fuse	220-240 VAC, 800 mA(T) (anti-surge) 110-120 VAC, 1.6 A(T) (anti-surge)
Output	6 VAC nominal, 20 A
Operating Time	Maximum on time: 3 minutes
Minimum off Time Between Tests	7 minutes
Protection	IP30 Indoor use only (this product is not to be used in the presence of moisture)

Ordering Information

Ordering Code	Description
VTT-10000-AUS	Xtralis Test Transformer - Australia
VTT-10000-UK	Xtralis Test Transformer - United Kingdom
VTT-10000-EUR	Xtralis Test Transformer - Europe
VTT-10000-USA	Xtralis Test Transformer - United States
251-001	Test Wire (100 m length)

Approvals Compliance

Please refer to the Product Guide for details regarding compliant design, installation and commissioning.

Timer Power Indicators

Power (Flashing Green)	Output is turned ON, timer ON
Power (Constant Green)	Output is turned OFF, timer OFF
Out (Red)	Output is turned OFF, timer OFF