

# Thermac Pty. Ltd.

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Testing of Type E heat detectors falls into either:

**1. On Site Function (Operational) testing:**

Functional checking in situ with a heat source.

If on-site power is available then a Makita heat gun Model HG1100 or HG6531 are controllable from 100 - 250 deg C.

Apply heat source (**maximum 250 deg C**) to the barrel or probe portion of the detector until circuit closes, typically 1 minute exposure then remove heat source and observe detector reset. Use a thermometer placed beside the detector during test to confirm heat source temperature.

If on-site power is not available:

a) **Do not apply a naked flame.** Temperatures typically exceed 1300 deg C and would result in damage to detector internal components.

b) Versa Tester (USA) uses chemical or saline solution heat source for low temperature detectors 88 deg C max. [www.testproducts.com](http://www.testproducts.com)

c) HST Tester (USA) uses battery powered heat source for low (60C) to high temperatures (232C) [www.skinnerinnovations.com](http://www.skinnerinnovations.com)

**2. Laboratory Sensitivity (Calibration) testing:** Sensitivity testing of heat detectors in laboratory per AS2360.2. where an operating temperature is measured.

Thermac workshop can carry out sensitivity testing to AS 2362.2

Our clients generally conduct heat gun function checks annually to AS1851 Section 6 App G or return units to Thermac for temperature sensitivity testing on a maintenance schedule.