

TestIR

Model D150 – Test Kit

Product Data Sheet



Infrared Test Kit

The Model D150 Infrared Test kit from Research, Inc. offers the user the opportunity to test high-density, focused infrared energy in a simple, easy to use format. The kit includes:

- StripIR® 5306-02
- LineIR® 5194-02
- SpotIR® 4150-250
- StripIR® 5560-05
- 5620 Power Control
- Insulating board

Simple

Heaters and power control are equipped with 120V plug (220 / 120 volt version available)

Portable

The test kit comes with a durable hard sided case with wheels and telescoping handle

Flexible

Compare the heating features of various focused infrared heaters

Fast

Experience the rapid response of the T3 lamp (0 to 90% power in 3 seconds)

Focused

Creates very high heating densities in small areas

Controlled

Fine-tune the infrared energy with the Model 5620 to obtain just the right amount of heat

Fast. Focused. Controlled.

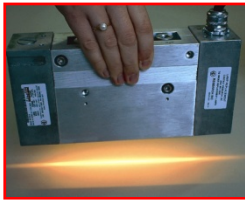


TestIR-D150-D-01-B

Benefits of T3 Technology

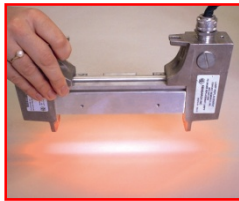
Infrared (IR) halogen lamps (T3) consist of a tungsten filament encased in quartz. T3 lamps are available as a point source or as a linear source from 2 to 38 inches (51 to 965 mm) long, and power up to 5000 watts. Tungsten is a fast responding resistive element that produces high intensity infrared energy when power is applied. T3 lamps are coupled with either polished aluminum or ceramic reflectors to direct and enhance the infrared heating effect. As compared with other infrared emitters, T3 lamps have greater heating capability, greater radiating efficiency, and faster response.

Contents of Test Kit



The **LineIR®** concentrates infrared energy to a long, narrow area of up to 0.18 x 38 inches (5 x 965 mm). The LineIR® is commonly used in

wire heating and plastic bending applications. The water-cooled reflectors coupled with the rapid response T3 lamps offers the users benefits of a high density heating solution and instant on and off response. The kit contains a 2 inch heater with a 1000 watt lamp.



The aluminum, water-cooled **StripIR®** concentrates radiant heat to an area up to 1.5 x 38 inches (38 x 965 mm). The water-cooled reflectors

coupled with the rapid response T3 lamps offers the users benefits of a high density heating solution and instant on and off response. The kit contains a 5 inch heater with a 1000 watt lamp.



The **StripIR®** offers the capability to heat with quartz halogen lamps in low density heating applications. This air-cooled heater can be

used in a bank of multiple heaters to provide a relatively low heating density to a large area. The kit contains a 5 inch heater with a 500 watt glare coated lamp.



The **SpotIR®** from Research Inc. offers the capability to heat a small circular area. The air-cooled reflectors coupled with the rapid response T3 lamps offers the users benefits of a high density heating solution and

instant on and off response. There are two unique heaters in this family designed for different spot sizes and heater densities. The kit contains a 250 watt lamp with a glare filter.



The Model 5620 Stand-alone single-phase power control is designed specifically for Research Inc. heating products. These units are ideal for the test lab, small production setting, and prototype development

areas. The unit includes a run/idle and timer feature.

Each heater comes with a glare resistant lamp or filter. A 120V plug is supplied to connect into the Model 5620 power control. The 5620 also has a 120V plug which can be plugged into any 120V, 60 Hz, 15 amp circuits.

The supplied insulating board is to be used to protect surfaces where tests are conducted. Individual product manuals are supplied.

The hard-sided case is equipped with wheels for ease of transport.

Table 1: Model D150 Ordering Information

Part Number	Product Description
087347-001	D150 Test Kit (order by part number)

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CoolIR® Series – Model C100

Represented by: