

Radiant Panel Flame Spread Tester

MODEL: RP-1A

SPECIFICATIONS/STANDARDS

ASTM E 162	UL 94
ASTM D 3675	Boeing BSS 7304

FEATURES/OPTIONS

208-230V 50/60Hz 30A 1P

Stainless steel stack containing 8 thermocouples

Automatic panel flame out safety

Windows PC based data acquisition, timing, and calculation software

Computer display for optical pyrometer and stack thermocouples

Manual control override of burner

Stainless steel specimen holder and specimen support system

Gas control for calibration using mass flow controller

DIMENSIONS OF INSTRUMENT

33" x 36" x 70" Width x Depth x Height

APPROXIMATE SHIPPING WEIGHT AND DIMENSIONS OF PACKED BASE INSTRUMENT

900 lbs, 54" x 54" x 86"

FACILITY REQUIREMENTS

Overhead exhaust hood approximately 48" x 54" with 1,000 SCFM exhaust capacity

Refractory panel requires high purity methane or propane supplied at 5-15 psi

Calibration burner requires high purity methane supplied at 15 psi

Acetylene gas supplied at 10 psi

DESCRIPTION

RP-1A measures the flame spread properties of textiles, plastics, foams, and similar materials used in furnishings, building products, and transportation materials.

The flame spread rating is based on the visually observed rate of flame progression and the highest temperature recorded in the stack during a maximum 15 minute test period.

