

# Knopp

## KFS-50 portable phantom load test system



## description

The Knopp Portable Phantom Load Test Set, Type KFS-50, in combination with a watt-hour reference standard, is used for testing single-phase and polyphase watt-hour meters in the field. It will operate from one of four input voltages and provides output current up to 50 Amperes at Unity or 0.5 Power Factor.

A special feature of the KFS-50 interlocks the operation of the current select switch and the variac control such that the position of the switch cannot be changed unless the variac is at zero. This prolongs switch life and prevents magnetic offset in the meter-under-test that would result from switching transients.

The KFS-50 is mounted in a fiber carrying case. The case also includes space for the reference standard (either Knopp-supplied or user-supplied) and for the lead set (including a pendant switch). A removable tray allows storage for miscellaneous user-supplied tools.

## specifications

dimensions: 22" Wide; 13.5" High; 11.5" Deep.

weight: approx. 49 lbs. (with standard).  
approx. 43 lbs. (without standard).

input voltage: 120, 240, 265, and 480 or;  
127, 240, 265, and 480 or;  
120, 127, 220, and 380 Volts.

test current: Full Load: 5, 15, 30, and 50 amps.  
Light Load: 0.5, 1.5, 3, and 5 amps.

output power: 50 VA continuous.

distortion: None added to the source by the KFS-50.

duty cycle: Continuous under all normal operating conditions; no forced air cooling required.

## catalog numbers

Catalog No. 16104 KFS-50 with voltage ranges of 120, 240, 265, and 480.

Catalog No. 16105 KFS-50 with voltage ranges of 127, 240, 265, and 480.

Catalog No. 16106 KFS-50 with voltage ranges of 120, 127, 220, and 380.



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