

Knopp FS-9 Closed Link Test System

description

The Knopp Closed-Link Test Set, Type FS-9, in combination with a watthour reference standard, is used for testing watthour meters in the field. The primary purpose of the FS-9 is to test Class 100 and 200, 240 volt, single-phase, three-wire, watthour meters (ANSI Forms 2 and 4) with the links closed. The FS-9 can also be used to check Forms 1 and 3 and some polyphase meters. Knopp precision transformers provide two isolated, and identical, currents necessary for closed-link, three-wire testing and also supply the reference standard with a constant 5 amperes regardless of the selected test current.

All tests are performed at unity power factor. An "off" position is provided on the current select switch so that a creep test (voltage only) can be run. In addition to fuse protection, two neon lamps are provided to indicate improper connection to the meter-under-test.

The FS-9 is mounted in a fiber carrying case which also includes space for the reference standard (either Knopp-supplied or user-supplied) and for the FS-9 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. 47.2 lbs. (with standard). approx. 41.7 lbs. (without standard).
input voltage:	120 or 240 volts.
test current:	Full Load: 5, 15, and 30 amps. Light Load: 0.5, 1.5, and 3 amps.
meter types:	120 volt, 2 wire; 240 volt, 2 wire; 120 volt, 3 wire; and 240 volt, 3 wire.
distortion:	None added to the source by the FS-9
duty cycle:	Continuous under all normal operating conditions.

