

MODEL NUMBER: 05460A

DESCRIPTION: Portable DC Hypot

APPLICATION: To meet the needs of the electrical industry in performing acceptance tests on cables rated thru 5 kV, and routine maintenance tests on cables, switchgear and rotating machinery rated thru 15 kV, in compliance with IPCEA and IEEE specifications.

The significance of such testing is to stress the insulation medium by deliberate application of an over-voltage to determine the condition of the insulation. Acceptance and maintenance tests properly conducted will indicate cracks, thin spots, voids, excessive moisture and dirt, as well as faulty workmanship, inadequate spacings, etc.

Additionally, the Hypot can be used in locating cable faults when employed with an accessory "Thumper" Cable Fault Locator.

INPUT

Voltage: 115 volts AC
Frequency: 60 Hz
Phase: Single
Current: 5A

OUTPUT

Voltage 0-30 KV DC continuously adjustable
KVA: .150
Frequency: DC
Current: 5 milliamperes
Duty Cycle Continuous
Failure Detector: Current sensitive overload system monitoring current in return side of output. Fixed sensitivity of 5.1 MA.
Shorting Device: Automatic output shorting solenoid.

VOLTAGE CONTROL: Manually operated, equipped with zero return interlock system to avert misapplication of High Voltage

METERING

Kilovoltmeter: Analog -- 0-30 KV with 500 volts reading resolution
Microammeter: Analog -- 0-5/50/500/5000 microamperes with .1/1/10/100 microamperes reading resolution.

TERMINATION

Input: Six foot (1.83 m), 3 conductor power cable terminated in three prong grounding type plug.
H.V.: Twenty foot (6.1 m) coaxial cable (Superflex)
Return: Metered-bypass-Ground terminals with disconnectable 15 foot (4.57 m) cables.

CABINETRY: Portable style, 16" x 14" x 10" (40.6 cm x 35.5 cm x 25.4 cm)