

PT-600

FAST • SAFE • RELIABLE

60 Hz TELEPHONE OVER VOLTAGE TEST SYSTEM



Features

- Performs BELCORE 1089 First & Second level AC power fault tests. (4.5.12, 4.5.13, 4.5.14, 4.5.15.1 and 4.5.16)
- Simulates contact between a power system primary and a telecommunications cable.
- Simulates short term induction as a result of a power system primary fault to a multi-earth neutral.
- Simulates long duration induction as a result of a power system fault to earth.
- Performs UL 1950 Annex NAC powerline cross overvoltage tests.
- Performs common mode (longitudinal) and differential mode (metallic) overvoltage tests.
- Single and dual channel models for 2 and 4 wire testing.
- 40 and 60 amp per channel models.
- Preset and variable test times.
- Adjustable source impedance.
- Employs 0-volt switching for the most accurate repeatable test results.
- Self contained in standard rack cabinet, casters included.



PT-600

MODEL	INPUT POWER REQUIREMENTS	OUTPUT VOLTAGE/CURRENT RANGES
PT-600-208-1-40	208 V, 2 conductor + ground, 120 A input current maximum for 1.5 seconds (100 A service OK)	0-600V, 15 Ohm source impedance (for 600V, 40A test) 0-600V, 85.7 Ohm source impedance (for 600V, 7A test) 0-600V, 273 Ohm source impedance (for 600V, 2.2A test) 0-600V, 250-400 Ohm adjustable source impedance, 1A maximum 0-600V, 400-550 Ohm adjustable source impedance, 1A maximum 0-600V, 500-650 Ohm adjustable source impedance, 1A maximum 0-600V, 500-1150 Ohm adjustable source impedance, 0.25A maximum 0-600V, 1000-3750 Ohm adjustable source impedance, 0.5A maximum
PT-600-208-1-60	208 V, 2 conductor + ground, 175 A input current maximum for 5 seconds (150 A service OK)	Same as PT-600-208-1-40, plus the following: 0-600V, 10 Ohm source impedance (for 600V, 60A test)
PT-600-208-2-40	208 V, 2 conductor + ground, 230 A input current maximum for 1.5 seconds (200 A service OK)	Same as PT-600-208-1-40, except all outputs are two-channel for 4-wire testing
PT-600-240-1-40	240 V, 2 conductor + ground, 100 A input current maximum for 1.5 seconds (75 A service OK)	Same as PT-600-208-1-40
PT-600-240-1-60	240 V, 2 conductor + ground, 150 A input current maximum for 5 seconds (125 A service OK)	Same as PT-600-208-1-60
PT-600-240-2-40	240 V, 2 conductor + ground, 200 A input current maximum for 1.5 seconds (150 A service OK)	Same as PT-600-208-2-40
PT-600-480-1-40	480 V, 2 conductor + ground, 50 A input current maximum for 1.5 seconds (40 A service OK)	Same as PT-600-208-1-40
PT-600-480-1-60	480 V, 2 conductor + ground, 75 A input current maximum for 5 seconds (50 A service OK)	Same as PT-600-208-1-60
PT-600-480-2-40	480 V, 2 conductor + ground, 100 A input current maximum for 1.5 seconds (75 A service OK)	Same as PT-600-208-1-40, except all outputs are two-channel for 4-wire testing
PT-600-480-2-60	480 V, 2 conductor + ground, 150 A input current maximum for 5 seconds (100 A service OK)	Same as PT-600-208-1-60, except all outputs are two-channel for 4-wire testing

Models listed above meet BELCORE 1089:

Table 4-7 First Level Power Fault, Tests 1, 2 & 3

Table 4-8 Second Level Power Fault, Tests 1, 2 & 3 (Tests 4 & 5 available as options. Please consult factory for details.)

GENERAL

Weight:	300 - 500 lbs. (model dependant)
Dimensions:	22"W x 19"D x 48"H
Environmental:	15-40°C operating temperature 0-90% Relative Humidity, non-condensing

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