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MODEL AMS-21 AMMETER TEST KIT

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MODEL AMS-21 AMMETER TEST KIT

The Model AMS-21 is a high current digital ammeter and Meter Shunt package which uses a Model AM-22 with selected components for greater accuracy above standard AM-22 meters. Used in combination with a high accuracy Meter shunt provides an instrument combination which can be used as a calibration standard for testing meters on high current M.P.I. power supplies. Basic AMS-21 Meters are Mean Averaging type meters that may be calibrated for any one of the following signal inputs, AC, FWDC or HWDC.

Options Available: Note Price List

- 1. Replace Mean Average circuit with True AC+DC RMS Circuit.

**MODEL AMS-21 AMMETER TEST KIT
SPECIFICATIONS**

- A. CURRENT AMMETER**
 - 1. Basic Accuracy Mean Average = 1 % + 2 digits 0-2KHz CF2
 - 2. Basic Accuracy True RMS Option = 1 % + 2 digits 0-6KHz CF4
 - 3. Range = 99 to 19,999 (0.09 to 19.99 x 1000A)
 - 4. DPM Display – 3 ½ Red LED .56” (14mm) digits
 - 5. Conversion Time = 280 msec
 - 6. Auto Reset Time = 1 second
 - 7. Signal Input = 33mv/1000A AC/DC
 - 8. Power Line Input = 115 VAC ± 10% 3 VA 50/60 Hz
 - 9. Temperature Range = 0 to 120°F (5 to 49°C)

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MODEL AMS-21 AMMETER TEST KIT

SPECIFICATIONS (CONTINUED)

- B. METER SHUNT**
 - 1. Basic accuracy = 0.1 % (0 to 85°C)
 - 2. Signal Output = 33mv per 1000 Amps
 - 3. 10% Duty cycle to not exceed 85°C.
- C. SIZE L x W x H = 12 x 9 x 4 inches (31 x 23 x 10 cm)**
- D. WEIGHT = 10lbs. (4.54 kg)**

MODEL AMS-21 AMMETER TEST KIT

OPERATING INSTRUCTIONS

1. Apply AC line power by plugging in AC power cord.
2. With panel switch in Auto position DPM will display current and hold reading until next reading (shot) exceeds 100 Amps.
With Auto switch to OFF, hold function to disabled.
Use for checking currents below 100 Amps, MPI units for short test and meter zero.
3. Do not place meter shunt on a conductive surface while taking measurements.
4. Do not allow meter shunt signal cable to contact any cable or part that is conducting high current.
5. Do not exceed 140 psi (965 kPa) clamping pressure on meter shunt.

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MODEL AMS-21 AMMETER TEST KIT

WARRANTY

Seller warrants that any T.S.I products furnished hereunder will, at the time of shipment, be free from defects in material and workmanship under normal use and will conform to sellers applicable standard written specifications. Sellers sole obligation hereunder shall be limited to, at sellers option either crediting buyer the purchase price of, or replacing any product for which (I) written notice of non-conformance hereunder is received within one year after shipment, and (II) after sellers authorization are returned pre-paid to seller and

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MODEL AMS-21 AMMETER TEST KIT

OPERATING INSTRUCTIONS (CONTINUED)

6. Keep meter shunt contact surfaces clean.
7. Arcing on meter shunt or in machine under test will cause erratic readings.

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MODEL AMS-21 AMMETER TEST KIT

WARRANTY (cont'd)

(III) satisfaction to be nonconforming. Any such replacement shall not extend the period within which such warranty can be asserted. This warranty shall not apply to products which seller determines have by buyer, or another, been subjected to operating and/or environmental conditions in excess of the maximum values in the applicable specifications or otherwise have been subjected to misuse, neglect, improper installation, repair, alterations, or damage.

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