



TEST SYSTEMS INTERNATIONAL, INC.

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Model AM-22 DIGITAL AMMETER



AM-22 current meter is for installation on new or old mag particle equipment to provide the most up to date accuracy of output amperes with infinite hold, auto reset and update functions that will meet or exceed all industrial and military requirements.

High visibility LED digital panel meters display the output current in amperes. Meters hold this reading indefinitely for accurate recording of each shot. As each shot is taken the meter will automatically reset, compute and display the new readings in less than a second.

Standard Meters are mean average FWDC calibrated for operation from your existing 50mv/1000 Amp meter shunt

either in place of or in conjunction with your machines meter. Meters are preset but final calibration depends on accuracy of your existing meter shunt. An externally accessible adjustment is available for final calibration. They may be ordered for AC, FW or HWDC signal input and different meter shunt signal. AC/DC True RMS meter is available as an option.

*Note standard options box below.

SPECIFICATIONS:

- A. Current Meter
 - 1. *Basic Accuracy = 1 % + 2 digits 0-2kHz CF2 mean average
 - 2. Range = 100 to 19,999 amperes (0.09 to 19.99 x 1000 A)
 - 3. DPM Display = 3 ½ LED .56" (14mm) digits
 - 4. Conversion Time = 280msec
 - 5. Auto Reset Time = 1 second
 - 6. *Signal Input = 50mv/1000A Meter Shunt
 - 7. Input Impedance = 62Ω
- B. *Power Line Input = 90 to 120 VAC 4VA 50/60Hz
- C. Temperature = 40 to 120°F (5 to 49°C)
- D. Dimensions HxWxD = 3.7 x 4.7 x 2.2 inches (94 x 119 x 58mm)
- E. Weight = 1 lb. (454g)
- F. External Controls
 - 1.Auto Hold Switch
 - 2.Current Meter AMP Adjustment
- G. Internal Adjustments
 - 1. Zero
 - 2. Balance
- H. Hardware
 - 1. Input Terminal Strip

*OPTIONS: SPECIFY WHEN ORDERING

- 1. AC/DC True RMS 1% ± 2 digit 0-6kHz CF4
- 2. Signal input for AC or HWDC mean average.
- 3. Different Meter Shunt signal input.
- 4. 220 VAC Power Line input.

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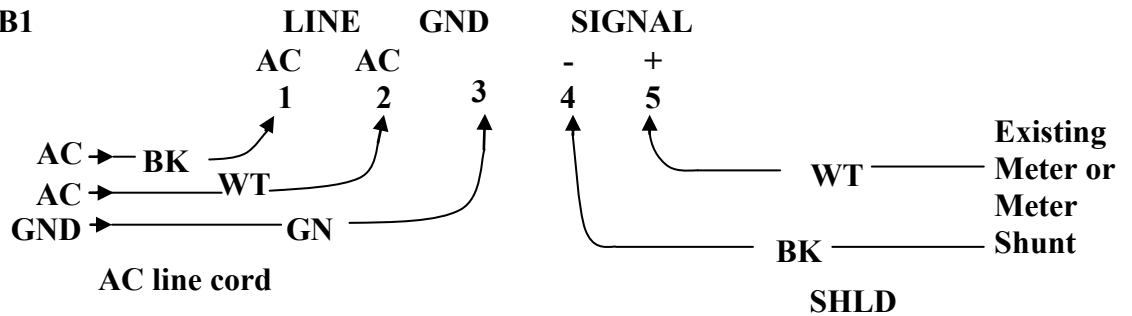
INSTRUCTIONS

A. INSTALLATION

Select a mounting position that provides full view of DPM and clear of obstructions using the following mounting instructions.

1. **SURFACE CASE MOUNT.** i.e. To wall, panel, fan box or over old meter cutout.
Drill 4 ea. Holes per rear view dimensions, 2 ½ x 3 ½". Secure case with your hardware.
2. Secure AC cord and signal leads to TB1 before mounting.
Then route cord and signal leads through grommets on back or bottom of rear case.

B. WIRING TB1



C. OPERATION.

With panel switch to AUTO position DPM will display current and hold reading until next shot is taken. With AUTO switch to OFF hold function is disabled for checking meter zero. Zero adjust is internal, remove case for access. To calibrate DPM use small screwdriver in ADJ. hole and turn CW to increase or CCW to decrease meter reading.