



TEST SYSTEMS INTERNATIONAL, INC.

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ATS-20B AMMETER & TIMER CALIBRATION METER

Model ATS-20B is a complete portable current Ammeter, Duration (Shot) time meter with a removable Meter shunt built into a durable abs storage case. Certified to NIST standards to meet or exceed international industrial and military MPI equipment calibration requirements. It will measure AC, FWDC and HWDC current in the Mean Average, True RMS or Peak detection methods in less than 300msec up to 20,000 amperes. It has auto hold for storing last reading indefinitely with automatic reset and update after each measurement or may be operated in manual mode. Duration (Shot) Time is automatic and measures current flow up to 20 seconds.

PANEL CONTROLS:

Power On/Off, Avg-Trms-Peak, FWDC-AC-HWDC, Range 2,000/20,000 Mode Auto/Manual, Zero Adjust and Reset.

SPECIFICATIONS:

A. CURRENT AMMETER

1. Basic Accuracy = $1\% \pm 2$ digits AC + DC
True RMS..... 0 - 10 KHz CF5
Mean Average.... 0 - 1 KHz CF2
Peak..... 0 - 10 KHz
2. Input Conversion Time = 280 msec
3. Signal Input = 50mv per 1500 Amp Meter Shunt
4. Ranges 2,000 = .100 to 1.999 X 1000 amperes
20,000 = 1.00 to 19.99 X 1000 amperes
5. DPM Display = $3\frac{1}{2}$ LCD $\frac{1}{2}$ " (12mm) digits

B. METER SHUNT

1. Basic Accuracy = 0.1% (0 to 85°C)
2. Signal Output = 50mv per 1500 Amps
3. Duty Cycle (not to exceed 85°C) 10%
4. 6' (2m) connecting cable length

C. DURATION METER

1. Basic Accuracy = $1\% \pm 2$ digits
2. Range = 0.06 to 19.99 seconds
3. Minimum Input = 100/1000 Amps to start timer.
4. Auto Reset Time = 1.0 seconds
5. DPM Display = $3\frac{1}{2}$ LCD to $\frac{1}{2}$ (12mm) digits

D. POWER

1. 8 each AA size alkaline batteries
2. Nominal battery life (2 years)
3. Low battery Indicator

Distributed by:



E. SIZE

HxWxD $5\frac{1}{2}$ x $13\frac{1}{2}$ x $9\frac{1}{2}$ " (140 x 343 x 240mm)

F. WEIGHT = 15 lbs. (7kg)

G. TEMPERATURE RANGE

1. Operating = 5 to 45°C
2. Storage = -40 to 65°C with batteries removed.

OPTIONS AND ACCESSORIES

1. Quick Break Test Indicator
2. Either End Connectors for Meter Shunt
3. Back lighted Panel Meters