

NDT INSPECTION INSTRUMENTS

MODEL AT-25 PORTABLE SHOT DURATION TIMER

A. Durable and convenient handheld Shot Duration Timer

FEATURES:

1. Automatic Time and Reset functions
2. Infinite digital hold of last reading
3. Light weight and portable
4. Reset and Timer buttons for manual operation
5. Accepts AC or DC inputs
6. Verifies shot times of MPI equipment up to 25,000 amps for conformance to military and industrial operating specifications
7. Supplied with 40 inch (1m) Test leads and 9V battery
8. Optional Quick Break Tester available , located above Timer Meter



B. SPECIFICATIONS:

1. Basic Accuracy = 2% \pm 1 digit
2. Range = .06 to 19.99 seconds
3. Input Signal = 1 to 20 V AC/DC
4. Input Load = 50 Ω 10w
5. Auto Reset Time = 1 second
6. Temperature = Operating 40 to 115°F (5 to 46°C)
= Storage 32 to 140°F (0 to 60°C)
7. DPM = 3½ LCD .5 inch (12.5mm) digits with Low Battery Indicator
8. Power = 9V Battery
9. Size LxWxH = 5.75 x 3.6 x 1.9 inches (146.1 x 91.4 x 84.8 mm)
10. Weight = 8 oz. (226g)

C. OPERATION:

1. Switch AT-25 Power Switch to ON. DPM will display any random number when power is first applied. Press Manual reset and DPM will display 0.00 \pm .01.
2. With test leads plugged into AT-25 panel jacks, clip one lead each to copper pad or plate of head and tail stock, or on coils, clip one lead each to input and output buss bar or lug nut from coil of MPI equipment under test. Parts should be removed from between Head and Tail stock.
3. Operate MPI equipment at your normal output current setting. You may have to increase output current setting when monitoring coil shots to start AT-25 Timer.
4. AT-25 will display your shot time until your next shot is taken. Allow 1 second between shot times for automatic reset. You do not need to press manual reset between shots.
5. Quick Break Tester will monitor Fall Time as AT-25 is used automatically. Green OK LED or Red N.G. LED will remain lighted after shot has ended to indicate a Passed or Failed Quick Break Test.
6. Manual Time runs while push button is pressed, stops when released.
7. Manual reset zeros DPM when push button is pressed.
8. AT-25 input is bipolar. Input leads can be reversed.



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