

ELAPSED TIME INDICATORS

AC SERIES: SUBMINIATURE



Models D21, D25, D91, D92 & D95

See the Military Cross Reference for military qualified models, pages 82-84.

The AC meter was developed to meet the most difficult requirements of many military and aerospace applications. Available in 50Hz, 60Hz and 400Hz configurations, the AC series meters meet or exceed an array of tough environmental specifications including shock, vibration, and temperature. A variety of mounting configurations are available as shown on pages 78 and 79. We also welcome inquiries for special requirements.

FEATURES

- Rugged design
- Hermetically sealed

MECHANICAL SPECIFICATIONS

Case: Copper nickel or brass, with durable black finish. E and F mounts are nickel-plated case with black face.

Max. case length: Short version: 1.094 in.
Long version: 2.082 in.

Flange: Brass

Terminals: Solder hook

Weight: 0.4 ounces maximum without mount
0.6 ounces maximum with C flange

Numerals: .035" wide, .078" high. Hour digits are white on black. Tenths are red on white.

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range: -65 to +125°C

Shock: MIL-STD-202, Method 213, Condition I

Vibration: MIL-STD-202, Method 204, Condition D

ORDERING INFORMATION

When ordering, show model number first (D), then operating voltage, case type, maximum hours (4 or 5 digit), mount type, and mount setback desired. If this is a special part, a factory modification number will be added at the end of the ordering number. This order chart lists standard features. Other ratings and configuration are also available. Example: D95C8CE-16

D 95 C 8 C E - 16						
Case Length	Operating Voltage	Case Type	Maximum Hours 4 Digit / 5 Digit	Mount Type	Mount Setback	Standard Factory Option Examples Code* Description
D	21 = 20-40 VAC/ 45-70 Hz	B = 4 Digit Round	3 = 999.9 / N/A	A = No Mount	A = Flush	1 Rotated 90° type C, C7, V, W mount
D	25 = 15-40 VAC/ 380-420 Hz	C = 4 Digit Square	8 = 9999 / 9999.9	Others available, see page 78	B to Z See "Table B Mount Setback Data" on page 81 for "X" Dimensional Code desired	14 4-40 Clinch Nuts, for type C mount
D	91 = 75-150 VAC/ 50-400 Hz	D = 4 Digit Square (Side-Read)	9 = N/A / 99999			16 Tin-plate front of mount, type C mount
D	92 = 100-130 VAC/ 50-70 Hz	G = 5 Digit Rect.				136 Tin-plate front of mount, type C (M7793/1 & /2), C7, V & W
D	95 = 100-130 VAC/ 380-420 Hz					*See "Table C Standard Options" on page 81 for all codes



ESD Susceptibility: Classified as Class 3 ESD sensitive in accordance with MIL-STD-1686

ELECTRICAL SPECIFICATIONS

Meters meet or exceed applicable requirements of MIL-M-7793 M7793/3, /4, /6, /8, /9, /10 (if QPL'd) MS27650 & 27651. Special ratings and configurations are also available.

Transient Protection: As applicable, 180 VRMS up to 0.15 seconds

Dielectric: 350 VRMS @ 80,000 ft., 600 VRMS @ sea level

Insulation Resistance: MIL-STD-202, Method 302, Condition B

Accuracy: 0.1% over temperature/voltage range

Power Consumption:

D21 & D25 = .015 Watts

D91, D92, & D95 = .3 Watts

Reading Allowed at time of Shipments: Meters can be delivered with +/- 1 hour upon delivery per MIL-DTL-7793

This page consists of basic marketing information that is not defined as technical data under FAR Part 772.