

ELAPSED TIME INDICATORS

DC SERIES: SUBMINIATURE



Models 16, D16 & D46

See the Military Cross Reference for military qualified models, page 82.

The ElectroDynamics DC meter was developed to meet the difficult requirements of most military and aerospace applications. They provide a wide range of supply voltage options and are packaged in a hermetically sealed miniature enclosure. This rugged design meets or exceeds 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
- Low voltage models available

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



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

ELECTRICAL SPECIFICATIONS

Meters meet or exceed applicable requirements of MIL-DTL-7793 M7793/1, /2, /5 and MS21341 A & B. Special ratings and configurations are also available.

Transient Protection: MIL-STD-704A, 80 & 600 V (Models 16 & D16)

Ripple Protection: MIL-STD-704A, para. 5.2.2 to 5.2.2.1 & Fig. 7 (Models 16 & D16)

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: D16 & 16 = .085 Watts, D46=.010 Watts

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

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: D16C8CE-136

Case Length	Operating Voltage	Case Type	Maximum Hours 4 Digit / 5 Digit	Mount Type	Mount Setback	Standard Factory Code* Description	Option Examples
D = Short	16 = 10-34 VDC	B = 4 Digit Round	3 = 999.9 / N/A	A = No Mount	A = Flush	1 Rotated 90° type C, C7, V, W mount	
() Long ①	46 = 4.5-6.5 VDC②	C = 4 Digit Square	8 = 9999 / 9999.9	Others available, see page 78	B to Z See "Table A" on page 81 for "X" Dimensional Code desired	14 4-40 Clinch Nuts, for type C mount	
	Other voltages also available	D = 4 Digit Square (Side-Read)	9 = N/A / 99999			16 Tin-plate front of mount, type C mount	
		G = 5 Digit Rect.				136 Tin-plate front of mount, type C (M7793/1 & /2), C7, V & W	

① Omit "D" for long case ② 5 VDC not MIL qualified

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