

View Online at <https://aerobasegroup.com/nsn/6620-01-311-3516>

**Direct Current Voltage Rating In Volts:**

28.0

**Case Material:**

Aluminum alloy

**End Application:**

F110-ge-129 engine f16 acft

**Unpackaged Unit Length:**

10.00 inches

**Unpackaged Unit Width:**

6.50 inches

**Unpackaged Unit Height:**

5.00 inches

**Power Source:**

External or self-contained

**Intelligence Input Method:**

Electrical

**Special Features:**

Operating temp -65 to 160 degrees f, maximum 30 minutes at 203 degrees f; download operating power 20 watts; normal operating power 50 watts; download operating voltage 28 vdc; the emsc is an airframe mounted unit containing a battery (except for air shipment), a flex/connector assembly and 4 electronic component assemblies including digital programmed cpu board

**Functional Description:**

Receives digital engine performance signals from the digital electronic control (dec) and aircraft parameters from the aircraft mux bus; these signals are compared against predetermined limits stored in the emsc; exceedences and faults are transmitted to remote aircraft systems; also monitors the dec and its own performance and transmits data to the pilot display; detects engine control loop failures and compressor stalls

**Reference Data And Literature:**

T.O. 5e1-2-12-1, -4

**Supplementary Features:**

Battery is not included for air shipment; battery power 3.67 vdc and is mounted in the front panel of the emsc

**Fsc Application Data:**

Engine monitoring system computer emsc

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fiig:**

A30800