DataMetrics™

MODEL 4680
HALF PAGE AIRLINE
COCKPIT PRINTER

Key Features

- *FAA/PMA Certified*
- ARINC 597 Interface
- Drop-In Replacement for Miltope Printer Model TP-4085 & TP-4185
- High Resolution Dot Matrix
- Heavy Duty Aluminum Construction
- Quiet Operation
- Up to 160 Lines Per Minute
- High Reliability – 35,000 hours MTBF

Model 4680 Airline Cockpit Printer

The 4680 Half Page Airline Cockpit Printer is a lightweight printer featuring nonimpact direct thermal technology, high resolution output, multiple format printouts, an ARINC 597 interface, high reliability (35,000 hr. MTBF), and is FAA/PMA certified on the following aircraft: B-727, B-737, B-747, B-767, MD-80, MD-11, DC10, DC9. This is a proven product that currently flies on commercial aircraft for American Airlines, Royal Jordanian Airlines, KLM, and Thai Airlines to name a few. In addition to commercial aircraft the Model 4680 also flies on military C-130 aircraft for the Royal Australian Air Force.

The Model 4680 is designed to be a drop-in replacement for the Miltope Model TP-4085, TP-4185 thermal printer part numbers 468300-11, -12, -21, -22.

DataMetrics™ Corporation is the industry leader in design and manufacturing of ruggedized printers. Our primary focus is the design, testing, development, and manufacturing of electronic equipment to meet the specifications of various military and industrial applications.

Fully Mission Capable™

ISO 9001 REGISTERED FIRM

Environmental Characteristics

Temperature - Operating . . . . .-15ºC to 50ºC
Temperature - Storage. . . . . .-55ºC to 71ºC
Humidity. . . . . .0 to 95%, Non-condensing
Fungus. . . . . .Non-nutrient to fungus growth
Vibration 2g, MIL-STD-810B
Shock. . . . . .15g each axis, 6g operating
Altitude. . . . .-1,000 to 40,000 ft.
EMI . . . . .RTCA DO-160A
Acoustic Noise. NC-40, MIL-STD-1472

Performance Characteristics

Plot Resolution . . . . .152 X 152 dpi
Print Rate. . . . . .0 to 160 lines per minute
Column Format . . . . .40, 53/66, 80 CPI
Character Format . . . . .High resolution dot matrix
Character Set . . . . .ASCII 64 character set per ISO alphabet
NO. 5, Graphic options
Print Capacity . . . . .100 ft. continuous roll, 4.375″ wide

Electrical Characteristics

Power Consumption . . . . . . .20W Idle
80W average
Power Input - Standard. . . . . .115 Vac, 400 Hz ± 10%, aircraft power

Physical Characteristics

Size . . . . .6″ H x 5.76″ W x 8.36″ D
(15cm H x 15cm W x 21cm D)
Weight (with paper) . . . . .8.5 lbs. (4 Kg)
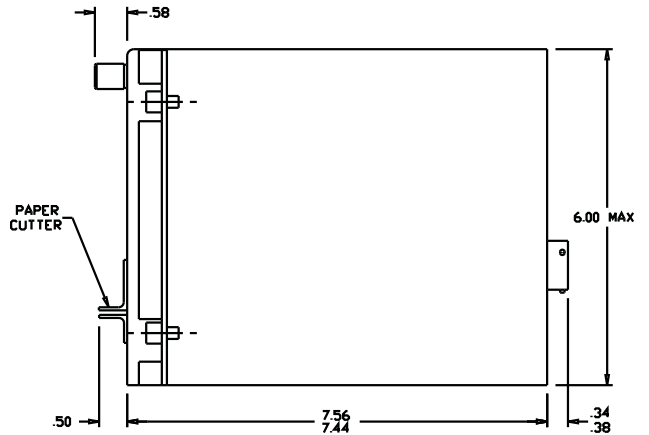Interface - Standard . . . . .ARINC 597

Applications

Drop-in replacement for the Miltope Model TP-4085 and TP-4185

B-727, B-737, B-747, B-767, MD-80, MD-11, DC10, Series 30, DC9, Series 80 (MD-80), FAA/PMA Certified

Front View
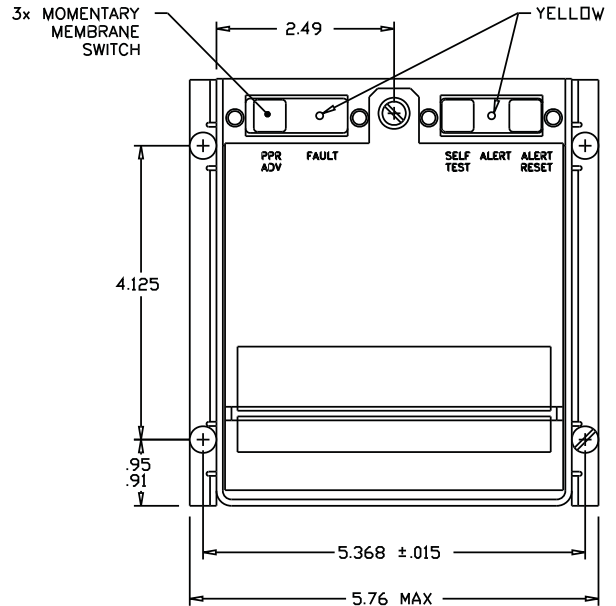
Side View

Ordering Information

Part Number	Description
109500-1XX-P005	Thermal Printer, Semi Gloss Gray Smooth Texture Paint
109500-1XX-P037	Thermal Printer, Semi Gloss Gray Medium Texture Paint
"X" indicates ordering options for special features. Contact DataMetrics for other options and custom configurations.	

Technical Specifications are subject to change without prior notice.

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