

AIRBORNE PRINTER



ToughWriter[®] 5

Designed for Military Transport Aircraft



Tested to the latest MIL-STD requirements, the **ToughWriter[®] 5** is ideally suited for the demanding military transport aircraft environment. Night vision compatible switches and military grade connectors allow the ToughWriter 5 to withstand the rigorous demands of military missions.

- Meets MIL-STD-810, MIL-STD-462 and MIL-STD-704 Requirements
- High MTBF (Mean Time Between Failures) Rated to 15,000 hours
- High Resolution Printing at 300 x 600 DPI for Text and Graphics
- Night Vision (NVIS) Compatible
- Lowest Size, Weight and Power in the Industry
- Print from Wireless Devices, such as Electronic Flight Bags and Tablets

ToughWriter® 5 Designed for Military Transport Aircraft

CHARACTERISTIC	SPECIFICATION
PRINTING	
Print Method	Direct thermal
Print Resolution	300 x 300 dots per inch (standard mode) 300 x 600 dots per inch (high quality mode)
Page Descriptor Language	Postscript® Level 3
Fonts	35 Postscript® fonts standard
PRINT SPEED	
Text	Up to 18 seconds per page
Graphics	26 seconds per page, typical
PHYSICAL	
Weight (with paper)	8.9 pounds
Dimensions	9.75" W x 5.75" H x 7.88" D
ELECTRICAL	
Input Voltage	28 VDC or 115VAC, 360 to 800Hz
Idle Power	15 watts
Maximum Power	110 watts (70 watts typical)
ENVIRONMENTAL/MECHANICAL	
High Temperature	DO-160F, Section 4, Category A3
Low Temperature	DO-160F, Section 4, Category A3
Operational Vibe	DO-160F, Section 8, Curve C & C1
Sustained Engine Imbalanced vibration	MIL-A-8866B
Semi prepared Runway vibration	MIL-A-8866B
Explosion Proofness	DO-160F, Section 9, Category E
Fluid Susceptibility	DO-160F, Section 11, Category F (Spray Test)
Fungus Resistance	DO-160F, Section 13, Category F
Radio Frequency Radiated Susceptibility	DO-160F, Section 20, Category T
Radio Frequency Conducted Susceptibility	DO-160F, Section 20, Category T
Conducted Susceptibility Power leads	MIL-STD-461E, CS 101
Power Input	DO-160F, Section 16, Category Z
Radio Frequency Radiated Emissions	DO-160F, Section 21, Category M

CHARACTERISTIC	SPECIFICATION
LIGHTING	
Night Vision (NVIS)	Optional compatible Night Vision (NVIS)
Dimming Control	5 PWM (pulse width modulation), 5 VAC (variable), 5 VDC (variable)
FRONT PANEL SWITCHES	
Front Panel Indicators/ Controls	Power/Fault Test/Abort Slew/Paper
RELIABILITY	
MTBF	>15,000 hours
MTTR	Under 30 minutes
INTERFACE OPTIONS	
ARINC 429	4 Receive, 1 Transmit
Ethernet	Up to 4 10/100 BaseT ports available 10Base2 (optional) TCP/IP DHCP Built-in-test reporting (BIT) via SNMP V1
WiFi	Optional IEEE802.11b/g/h compliant port
CONNECTORS	
The printer can be configured with connector choices to meet requirements. Consult factory for more information. Following are common connector configurations:	
MIL-DTL-38999 type:	
Power Connector	TVS07RF-13-4P (Amphenol P/N) D38999/24FC4P (MIL SPEC P/N)
ARINC 429/DISCRETES	TVS07RF-15-35P (Amphenol P/N) D38999/24FD35P (MIL SPEC P/N)
ETHERNET	TVS07RF-13-35P (Amphenol P/N) D38999/24FC35P (MIL SPEC P/N)
Single data and power connector:	PT07SE24-61P-023 (61P) PT07SE24-61PW-023 (61P-W rotation)
PAPER	
Paper Roll	Supports both A4 and letter sizes (perforated and non-perforated rolls available)
Roll Length	150 feet



aerospace.astronovainc.com

World Headquarters
600 East Greenwich Avenue
West Warwick, Rhode Island 02893 U.S.A.
+1 401-828-4000
Toll-Free U.S.A.: 877-867-9783
aerospace@astronovainc.com

Branch Offices
CANADA: +1 450-619-9973
Toll-Free Phone Canada only: 800-565-2216
UNITED KINGDOM: +44 1628 668836
FRANCE: +33 1 34 82 09 00
GERMANY: +49 (0) 6074-31025-00