DataMetrics™

MODEL 4080
RUGGED HALF PAGE PRINTER

Key Features

- Direct Thermal Printing
- Light Weight Design
- 0 – 600 Lines Per Minute
- 40, 60 or 80 Column Printouts at 200 dpi
- DC or Battery Operation
- Rugged Design for Harsh Environments
- Meets MIL-STD-810D/461C
- Tempest Compliance Optional

Model 4080 Rugged Half Page Printer

The 4080 Half-Page Printer is a proven and successfully deployed design within the TCCCS/Iris (Tactical Command Control and Communication System) program for the Canadian Department of National Defense. The vibration and shock specifications make it perfect for ground mobile use as well. The Model 4080 is designed to be lightweight (under 12 pounds), DC battery operated, prints 0 to 600 lines per minute and operates in harsh environments in accordance with the following specifications.

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.

ISO 9001
REGISTERED FIRM

Fully Mission Capable™

Environmental Characteristics

Temperature - Operating . . . . -40ºC to 50ºC
Temperature - Storage. . . . . . -50ºC to 63ºC
Humidity. . . . . 10 to 95%, Non-condensing
Vibration . . . . Category 9 (ground mobile), MIL-STD-810D, Method 514.3
Shock. . . . . MIL-STD-810D, Method 516.3, Procedure I, IV, V and VI
Altitude - Operating . . . . -1,000 to 15,000 ft.
EMI/EMC MIL-STD-461C
Sand, Dust & Rain. . . . . MIL-STD-810D, Method 510.2 and 506.2
Salt Atmosphere . . . . Only non-corrosive materials or coatings are used, MIL-STD-810D, Method 509.2

Performance Characteristics

Resolution . . . . 200 dpi
Print Speed . . . . 0 - 600 lines per minute
Print Buffer. . . . . 8k bytes (text)
Character Sets. . . . . 96 character ASCII
                                       IBM extended character set
Characters/Line . . . . 40 at 10 CPI, 66 at 17 CPI, 80 at 20 CPI

Electrical Characteristics

Power Input – Standard . . . . . 18 - 32 Vdc
Power Input – Battery . . . . 20 - 25 Vdc
Power Consumption . . . . 5W DC standby
                                   20W DC average
Interface. . . . . Serial, RS-232-C, 150-19200 baud reate

Physical Characteristics

Size . . . . 5″ H x 7.1″ W x 6.8″ D
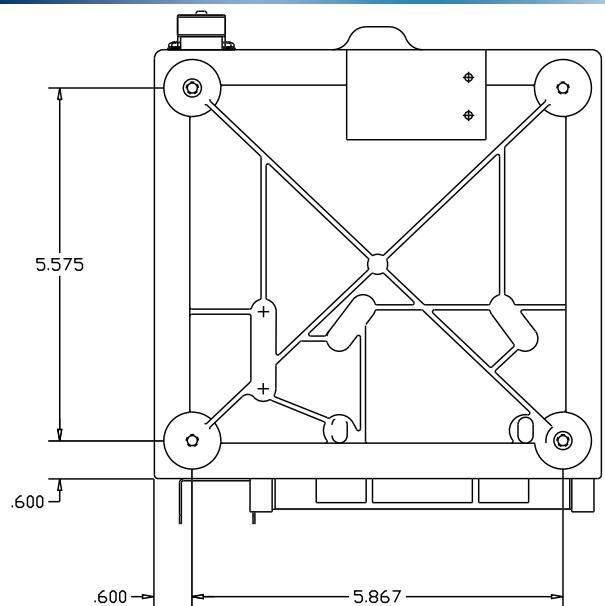   (13cm H. x 18cm W. x 17cm D.)
Weight (without paper) . . . . 9 lbs. without paper
                                       12 lbs. Tempest
Configuration . . . . Tabletop or hand carry in optional carrying case

Front View
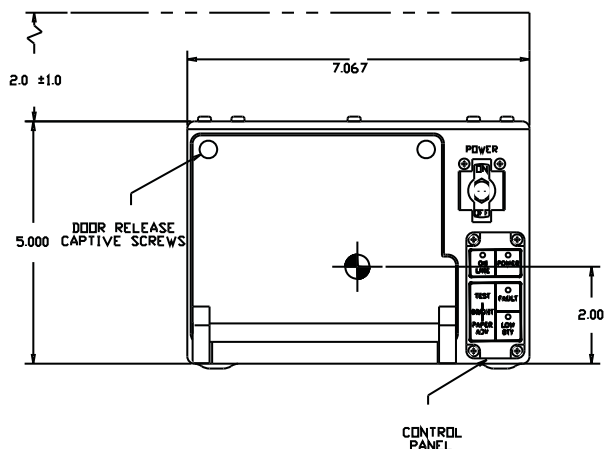
Bottom View

Ordering Information

Part Number	Description
115700-1XX-P005	Thermal Printer, Semi Gloss Gray Smooth Texture Paint
115700-1XX-P037	Thermal Printer, Semi Gloss Gray Medium Texture Paint
"X" indicates ordering options for special features. Contact DataMetrics for other options and custom configurations including Tempest compliance.	

Technical Specifications are subject to change without prior notice.

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