Application Note

Application Note Number	G-0-1000-PF-0
Revision	Basic
Function	Print
Airframe	N/A
Engine	N/A
Other Application Notes Required	N/A
ACES Systems Analyzer	ACES Model 1000 ProBalancer
Firmware Version	1.31
Procedure Cards	N/A

Introduction: This application note is the first to be written that describes the two print configurations for the ACES Model 1000 ProBalancer. This application defines the specific print function (Serial or Parallel), provides a list of required equipment and the installation of the appropriate equipment for each configuration.

A. Required Equipment

The following ACES Systems' equipment is required.

Item	Quantity	Description	Part Number
1.	1 ea.	Printer (HP Laser Jet II or newer, or Epson FX)	N/A
2.	1 ea.	Model 1000 ProBalancer	10-100-1001
3.	1 ea.	Printer Cable (4 Pin)	10-320-0091
4.	1 ea.	SXP Bi Directional Converter (Powered)	75-210-0056
5.	1 ea.	Standard Printer Cable (Centronix to Centronix)	Local purchase

Optional Equipment: N/A

B. Equipment Installation

Printing With the ACES Model 1000 ProBalancer

The ACES Model 1000 ProBalancer allows you to print out a report of the balance job. This report shows all about each run performed including the vibration level and angle, RPM, calculated weights, and actual installed weights.

The ProBalancer can print to any serial printer (HP Laser Jet II or newer and / or Epson FX). The printer must be configured to 9600 baud, 8 data bits, 1 stop bit and no parity. An optional serial to parallel converter (P/N 75-210-0056) is available for printing to a parallel printer.

To print a balance a report, connect the printer cable (4Pin), P/N10-320-0091 to the ACES Model 1000 ProBalancer printer port and turn on the printer. Turn on the ACES Model ProBalancer, “press” the [ABORT] key, select “Print” from the menu using the right [arrow] key, and “press” [Start]. If there is customized data in the ProBalancer, that information will print at the top of the page, followed by the balancing information for each run.

The screen of the analyzer will display the message “Printing in Progress” and when complete with the data transfer to the printer buffer, the ACES Model 1000 ProBalancer will return to the main screen.

If the print job was not successful, recheck the printer for paper quantity, paper jams, pauses, not on line, proper connection of the cable and power. Re - run this checklist and try again. If print function still does not work call ACES SYSTEMS Customer Support 423 966 5857.

Equipment Installation Diagram

There are two configurations to print to;

Configuration 1: Print to serial

Configuration 2: Print to parallel

Configuration 1: Print to Serial

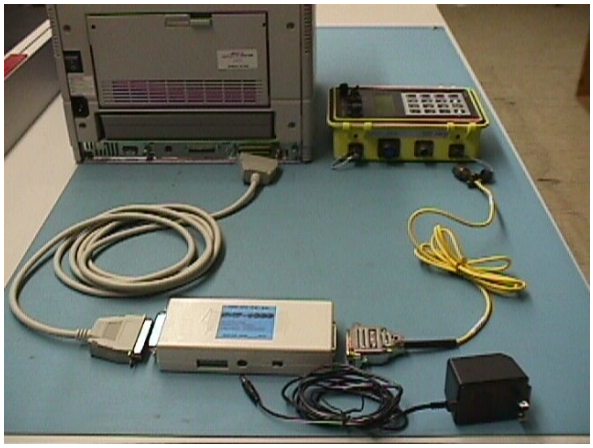
Equipment required

- Printer; HP Laser Jet II or newer, or Epson FX
- ACES Model 1000 ProBalancer (P/N10-100-1001)
- Printer Cable (4 Pin) (P/N10-320-0091)

Equipment set up

- Connect the Printer cable (4 pin MS end) to the comm. port on the ACES Model 1000 ProBalancer
- Connect the DB end of the printer cable to the serial port of the printer
- Ready to print

Configuration 2; Print to Parallel



Equipment required

- Printer (HP Laser Jet II or newer, or Epson FX (Local purchase)
- ACES Model 1000 ProBalancer (P/N10-100-1001)
- Printer Cable (P/N10-320-0091)
- Standard printer cable, Centronix to Centronix (Local purchase)
- SXP 1000 Bi Directional Serial to parallel converter (P/N75-210-0056)

Equipment set up

- Connect the printer cable, 4 pin MS connector, to the printer port on the ACES Model 1000 ProBalancer
- Connect the other end of the printer cable to the serial side of the SXP Bi - Directional converter
- Connect the Standard Printer cable, Centronix to Centronix, to the parallel end of the SXP Bi Directional converter.
- Connect the other end of the Standard Printer cable (Centronix) to the parallel port on the printer.
- Ready to print

NOTE

In configuration 2, the dip - switches on the SXP1000 must be set as follows:

1,3,7,8,9&10 <u>off</u> / 2,4,5&6 <u>on</u>

"DTE" must also be selected

Application Note

Model 1000 ProBalancer

Print Function

Part Number: 11-200-0039

AppNote Number: g-0-1000-pf-0

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