



*Adam Equipment*

# **ADAM PRINTER**

(P.N. 3777 Revision D3, August 2004)



## 1.0 ADAM PRINTER

- The Adam Printer is a general purpose thermo tally roll printer specifically designed to work with the Adam series of balances.
- Some models have an optional time and date function. This function will allow the printout to include time and date information when the balance time/date function is enabled.
- The printer comes preset to work with the default RS-232 interface found on the Adam balances but can easily be changed to work on other equipment as well.
- The printer is easy to use with only an On/Off switch and a paper feed button.

## 2.0 SPECIFICATIONS

Power Supply	8.5 to 14VDC or 7 to 10VAC from module 15 Watts when printing 3 Watts when idle
Mains Supply	As required (UK or European) 230VAC 50/60Hz 115VAC 50/60Hz USA
Environment	5 to 35°C 10 to 80% humidity, non-condensing

## 3.0 DATE/TIME FUNCTION (OPTIONAL)

- Adam Printers are available with optional date/time function. To set up this function input ESC T yymmddhhnn  
Where yy= year  
mm= month  
dd= date  
hh= hour  
nn= minute

For example to enter 12 April 1999, time =14:15 send  
ESC T 99h 04h 12h 14h 15h =1B 54 99 04 12 14 15 hex

- To set the time and date the printer must be connected to a PC or terminal.
- A Windows program is available from Adam Equipment to set the data and time. Contact your supplier for more information.

## 4.0 SELF TEST

Press and hold the Paper Feed button down when the power is turned on and then release the button. The printer will print the current settings and a description of all set up key functions.

## 5.0 INTERFACE

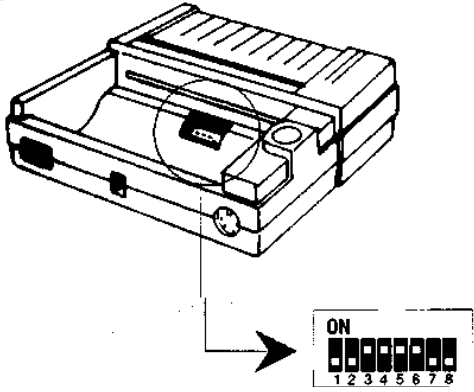
Printer	Adam Lab Balances
5 pin DIN connector	9 Pin D-Subminiature Socket
Pin 1 RXD - - -	Pin 3 Data from Scale
Pin 2 DTR - - -	Pin 1 Not used by scales
Pin 3 GND - - -	Pin 5 Signal ground
Pin 4 nu	
Pin 5 TXD - - -	Pin 2 Data to scale
In addition on early models of ADA and all ADP and ADG units	Pin 7 Connected to Pin 8
	Pin 4 Connected to Pin 6

## 6.0 CONTROL CODES

LF	0Ah	Line feed
CR	0Dh	Carriage Return
SO	0Eh	Double Strike Mode
DC4	14h	Double Strike Mode Cancel
CAN	18h	Clear Buffer
ESC A n	1Bh 41h n	Line spacing in n/72 inch
ESC 2	1Bh 32h	1/6 inch line spacing
ESC 0	1Bh 30h	1/8 inch line spacing
ESC 4	1Bh 34h	40 characters/ line (normal)
ESC 8	1Bh 38h	80 characters/ line (extended)
Printer	Dot matrix Thermo printer Bi-directional printing 0.75 lines per second 40 or 80 characters per line	
Paper	112mm thermo paper PH65 or HONSHU Standard 20 meter roll	

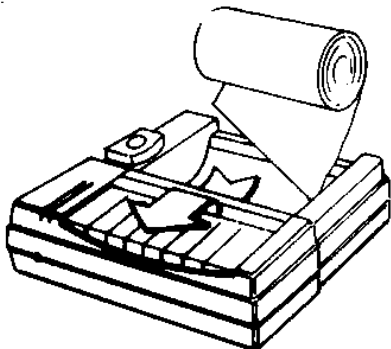
Size	60 x 180 x 150mm 0.6kg
Interface	RS-232 or RS-242 (TTL) 5 pin DIN Connector 1200, 2400, 4800 or 9600 baud 8 bit or 7 bit With or without parity

## 7.0 PAPER LOADING



Configuration  
Dip-Switch

Paper Loading  
Note direction of paper roll



See the adjacent diagram. Cut the paper at an angle and feed into the slot from rear.

Press and hold the Paper Feed button until the paper passes through the printer.

Do not pull the paper or force it through the slot.

If the paper does not feed easily check whether you are using the paper entry slot and there are no obstructions in the paper path.

## 8.0 CONFIGURATION

The printer is set with the dip-switches under the paper roll.

The default settings are:

4800 baud 8 bit No parity 40 column CR only
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To reset the switches turn the printer off. Set the switches as desired and then turn the printer on.

	1200	2400	4800	9600 baud
SW1	On	Off	On	Off
SW2	On	On	Off	off
SW3	On	8 bit data		
	Off	7 bit data		
SW4	On	Parity enabled		
	Off	Parity ignored		
SW5	On	Parity even		
	Off	Parity odd		
SW6	On	80 column		
	Off	40 column		
SW7	On	CR prints CR only		
	Off	CR prints CR +LF		
SW8	On	2 column, double ticket		
	Off	1 column, normal printing		



### **Manufacturer's Declaration of Conformity**

This product has been manufactured in accordance with the harmonised European standards, following the provisions of the below stated directives:

Electro Magnetic Compatibility Directive 89/336/EEC

Low Voltage Directive 73/23/EEC

Adam Equipment Co. Ltd.  
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### **FCC COMPLIANCE**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. The equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Shielded interconnect cables must be employed with this equipment to insure compliance with the pertinent RF emission limits governing this device.

Changes or modifications not expressly approved by Adam Equipment could void the user's authority to operate the equipment.

**ADAM EQUIPMENT** is an ISO 9001:2000 certified global organisation with more than 30 years experience in the production and sale of electronic weighing equipments. Products are sold through a world wide distributor network -supported from our company locations in the UK, USA and SOUTH AFRICA. The company and their distributors offer a full range of Technical Services such as on site and workshop repair, preventative maintenance and calibration facilities.

**ADAM's** products are predominantly designed for the Laboratory, Educational, Medical and Industrial Segments. The product range can be classified as follows:

- Analytical and Precision Laboratory Balances
- Top Loading Balances for Educational establishments
- Counting Scales for Industrial and Warehouse applications
- Digital Weighing/Check-weighing Scales
- High performance Platform Scales with extensive software features including parts counting, percent weighing etc.
- Digital Electronic Scales for Medical use
- Retail Scales for price computing

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