



THE POWER TO PRINT

Available from:

Ap1310 Thermal Portable Printer – with Continuous Power

Head Office

(Production, Sales, Design and Repair)

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Compact and light.

- Designed to be powered continuously from a vehicle battery or any DC power source in the range 9 to 36V.
- The user can configure the peak current consumption and the built in converter boasts an efficiency of up to 94% making the printer a perfect match for low power battery applications.
- The power and data connections exit the printer in a single cable-ideal for integration into in-vehicle wiring looms.
- Total weight of printer including cabling and full roll of paper is only 340g, therefore easy to mount in chosen application.
- Range of bracket mounting solutions available from suction mounts to cart/trolley clamps.



The Ap1310DC Carries CE and e-mark approval .

Design registered

Typical Applications include:

- Mobile ticketing and recording.
- In-vehicle printing of delivery notes.
- Taxi receipt printing.
- Test and measurement.
- Medical applications.

www.powertoprint.com

Ap1310 Thermal Portable Printer – with Continuous Power

Specification	Ap1310-DC
Data Input	RS-232 Serial (6-Core moulded cable)
Wireless Data Input	N/A
Print Method	Fixed head thermal mechanism
Print Speed	60 mm/s (with 12V input voltage); 50mm/s (typical)
Paper Specification	Paper Roll Width: 57.5 ± 0.5mm. Max roll diameter: 55mm (approx. length: 33 metres) Accepts paper rolls with or without a core
Print Width	48 mm
Dots per line (graphics)	384
Dot spacing	8 dots/mm (vertical and horizontal)
Sensors	Paper Out (Opto reflective) and Head Up (Mechanical)
Data Buffer	20 Kb
Power Supply	9 VDC to 36 VDC continuous (integrated over-voltage protection)
Input Power	25 Watts Average (Typical while printing), 70 Watts (short term peak)
Remote Shutdown	Apply >2V to shutdown pin to wake - Force Awake option available
Baud Rate	Up to 57,600 (9600 Default)
Character Set	IBM® 224 character set, CP437. (See note 1)
Number of columns	12, 16, 21, 24, 42, 32 (Default). (See note 1)
Font (dots)	7 x 24, 10 x 24 (Default). (See note 1)
Dimensions	65 x 95 x 128mm (H x W x L)
Weight	Approx. 340g (including full roll of paper)
Power Supply Options	As standard the Ap1310-DC is supplied with a moulded 6-core cable for both serial (RS232) and direct input voltage combined. Note that mounting brackets need to be ordered separately (see below) or as part of a complete kit. Bracket options include: <ul style="list-style-type: none"> • Ap1300MBUG01: Universal gripper (mandatory for all mount choices) • Ap1300MB01: Self adhesive/screw mount • Ap1300MB02 /03: Tubular mounts (large /small) • Ap1300MB04 /05 /06: Suction mounts • Ap1300MBKIT1: Mounting bracket kit comprising all the above.
Other options	<ul style="list-style-type: none"> • Ap1300BR-01: Combined wall mounting bracket and belt clip
Windows® Driver	Win98, WinME, WinNT, Win2k, WinXP, Vista and 7 (32 bit). Download: www.able-systems.com
Temperature Range (operating)	0 - 50°C
Reliability - MCBF	10 ⁸ print pulses or 50kms. >13 million print lines (Approx. 3,500 paper rolls).

Please note that for low volume purchases the Ap1310-DC is only available in kit form, as follows:

Ap1310-DC-KIT1: comprising an Ap1310-DC printer fitted with moulded 6-core cable for power and data (combined), an Ap1300BR-01 belt clip/wall bracket and an A05856TPR1 paper roll.

Note 1: The proprietary Font Editor Utility software (order code Ap800FEU) enables customisation of character fonts by the user.

Other products available from Able Systems include:



Portable printers



Panel mounting printers



Kiosk printers



In-vehicle printers



Printer mechanisms & interfaces



Accessories



Consumables