

SP300 SERIES

- High performance, high reliability, long life receipt printers
- Designed from the ground up for POS and data logging applications



High Speed Approx. 4.2 lines/sec.
(12CPI, 28 characters /line : SP311, SP341)
Approx. 3.2 lines/sec
(15CPI, 40 characters /line : SP312, SP342, SP349)



Durable printer mechanism,
with long print head life
(200 million characters)
with MCBF
(more than 8 million lines)



SP312
Standard

OTHER FEATURES

- 4 KB data buffer
- RAM backup
- Addressable mode
(up to 14 printers can be operated by one serial port when using RS-422A)



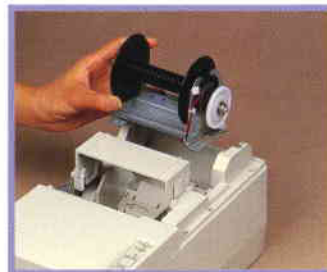
Dual cash drawer drive circuit



Single line validation



Auto-cutter
(SP342)



Option 1 :Paper rewriter
(user installable) see Page25



Option 2 :Interface board
(RS-422A,20mA current loop:user installable)

SPECIFICATIONS

	SP311F SP341F	SP312F SP342F SP349F	SP321S	SP322S	SP323S
Print Method	9-pin Serial impact dot matrix				
Print Direction	Bi-directional				
Number of Columns	28 (12CPI)	40 (15CPI)	28 (12 CPI)	40 (15 CPI)	35 (15 CPI)
Character Font	5 × 9 or 7 × 9				
Dot Pitch (Min)	0.417(H) × 0.353(V)mm	0.330(H) × 0.353(V)mm	0.417(H) × 0.353(V)mm	0.330(H) × 0.353(V)mm	0.333(H) × 0.353(V)mm
Line Spacing	1/6", 1/8", n/144"		1/6", n/72"		
Character Size	12, 10, 6, 5 CPI	15, 12, 8, 6 CPI	12, 10, 6, 5 CPI	15, 12, 8, 6 CPI	15, 12, 8, 6 CPI
Printing Speed (line/sec.)	4.2	3.2	4.2	3.2	3.6
Paper Feed Speed	Approx. 3 inches/sec				
Ink Ribbon					
Type	Ribbon cassette				
Life	Purple (standard) RC300P 6 million characters Black (option) RC300B 1.6 million characters				
Paper	Paper Rolls		Sprocket Fanfold		
Media					
Material	Normal or carbonless Paper				
Width	2.25", 3", 3.25" 57mm, 76mm, 82.5mm		3", 3.5" 76mm, 89mm	3.5" 89mm	3", 3.5" 76mm, 89mm
Diameter	85mm (MAX)		40mm(thickness Paper) Fanfold		
Thickness	0.07 to 0.10mm (Single copy)				
Copies	Original + two copies (MAX0.20mm) (each paper 0.05 to 0.08mm.)				
Reliability					
MCBF	8 million lines				
Print Head	200 million characters (7 × 9 Font)				
Operating Conditions	0 to 50 °C, 10 to 90%RH (without condensation)				
Storage Conditions	-20 to 70 °C, 5 to 95%RH (without condensation)				
Power Supply	AC 100, 120, 220, 240V				
Current Consumption	Peak 60W, Average 30W(when printing), 10W (when idle)				
Paper Out Detector	Mechanical switch				
Peripheral Driver	For driving solenoid, etc., 2 circuits, 24V 1A (MAX) , one compulsion input				
Data Buffer	Approx. 4KB (reducible by DIP switch)				
RAM Backup	Maintain data buffer for Approx. 10 hours (can be disabled by DIP switch)				