

The SP-401 series thermal printers are compact, rugged units ideal for panel mounting and desktop applications. This printer offers features and options unavailable on any other printer of comparable size. This flexibility results from a microprocessor-based design which supports the easy inclusion of custom features.

The standard model provides ASCII text printing capability with an international character set. The graphics model has additional printing capabilities. For portable or field use, a rechargeable battery is available. The battery powered model can print up to 7,200 lines of text between charges.

The SP-401 features a rugged aluminum case which is ready for panel mounting or desktop operation and an enclosed paper supply.

#### **Features**

- Lightweight design - compact size
- Selectable baud rate
- Data and text mode
- International character set
- Double width printing
- Microprocessor-based design for functional flexibility

#### **Applications**

- Data acquisition and data retention via optional paper take-up journal
- Medical diagnostic and status equipment
- Monitoring for technical, medical, manufacturing, testing and production .



#### **Specifications**

- 80 mm (3 in) paper width
- Internal 7,000 character data buffer
- RS-232C, 20mA current loop, DB 25
- Dimensions:: (WxHxD)  
114.3 mm x 68.5 mm x 144.8 mm  
(4.5 in x 2.7 in x 5.7 in)
- 20 or 40 columns
- Operates from 8-30 VDC or 8-22 VAC rms

#### **Options**

- Parallel Interface, DB25
- RS-485 serial interface
- Graphics version
- Time/date stamping
- 120 VAC/60 Hz or 220 VAC/50 Hz power supply
- Paper low sensor
- Paper take-up journal

#### **Telpar, Inc.**

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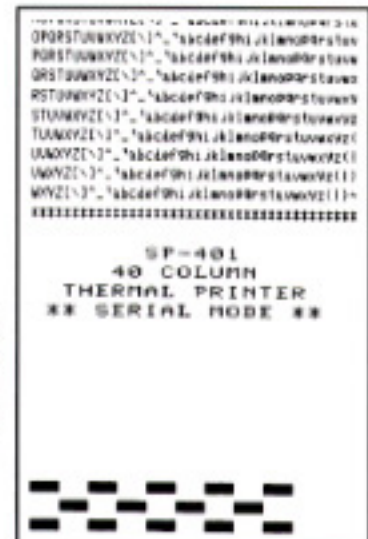
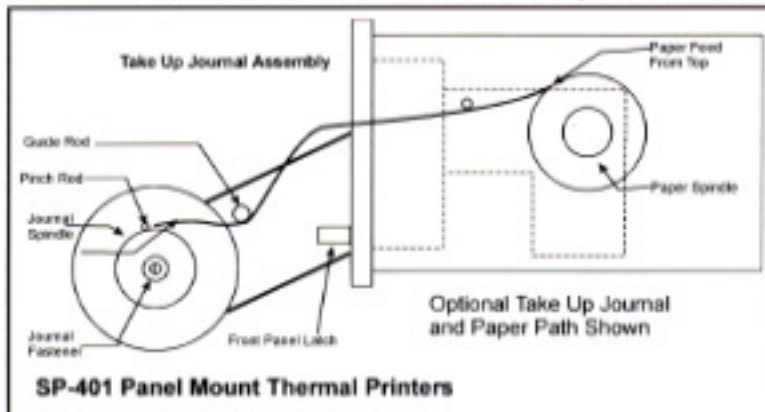
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	Standard SP-401	Graphics SP-401G
<b>Performance</b>		
Maximum print rate	0.5 lines/second	0.5 lines/second
Line Density	6.7 lines/inch	9 lines/inch
Print head life	500,000 character lines	500,000 character lines
<b>General</b>		
Buffer Size	7,000 characters	7,000 characters
Number of columns	20 or 40 (specify at time of order)	20 or 40 (specify at time of order)
Font	5 x 7 dot matrix 96 characters	5 x 7 dot matrix 96 characters
Print modes	Data (inverted) or text	Data (inverted) or text
Dot diameter	0.35 mm (0.04 in)	0.35 mm (0.04 in)
Dot spacing-Vertical	0.35 mm (0.04 in)	0.35 mm (0.04 in)
Dot spacing-Horiz.	0.25 mm (0.010 in)	0.25 mm (0.010 in)
Line spacing	1.5 mm (0.060 in)	0
Paper feed pitch	3.8 mm/line	2.8 mm/line
Paper roll:	24.5 m (80 ft.)	24.5 m (80 ft.)
Roll stock:	80 mm (3.15 in)	80 mm (3.15 in)
Paper Thickness	.0079 mm (0.0031 in)	.0079 mm (0.0031 in)
<b>Temperature Range</b>		
Operating	0° C to 50° C (32° F to 122° F)	0° C to 50° C (32° F to 122° F)
Non-operating	20° C to +60° C (-4° F to 140° F)	20° C to +60° C (-4° F to 140° F)
Maximum	90% max RH (non-condensing)	90% max RH (non-condensing)
<b>Power</b>		
	10-30 VAC or 8-30 VDC 120VAC/60Hz or 220VAC/50Hz power supply(optional wall adapters)	10-30 VAC or 8-30 VDC 120 VAC/60 Hz or 220 VAC/50 Hz power supply (optional wall adapters)
<b>Weight</b>	2.5 watts standby, 12 watts printing 1.02 kg (2.25 lbs)	2.5 watts standby, 12 watts printing 1.02 kg (2.25 lbs)

**Serial Interface:** RS-232C, RS-485, or 20mA Current Loop. Baud Rate, Data Bits, Stop Bits, Parity On/Off, all switch-selectable

**Parallel Interface:** 8 Bit Centronics compatible, DB25 Connector

**Dimensions** 6.86 mm x114.3 mm x144.8 mm, (2.7 in Hx4.5 in Wx5.7 in D)



Specifications subject to change without notice.

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