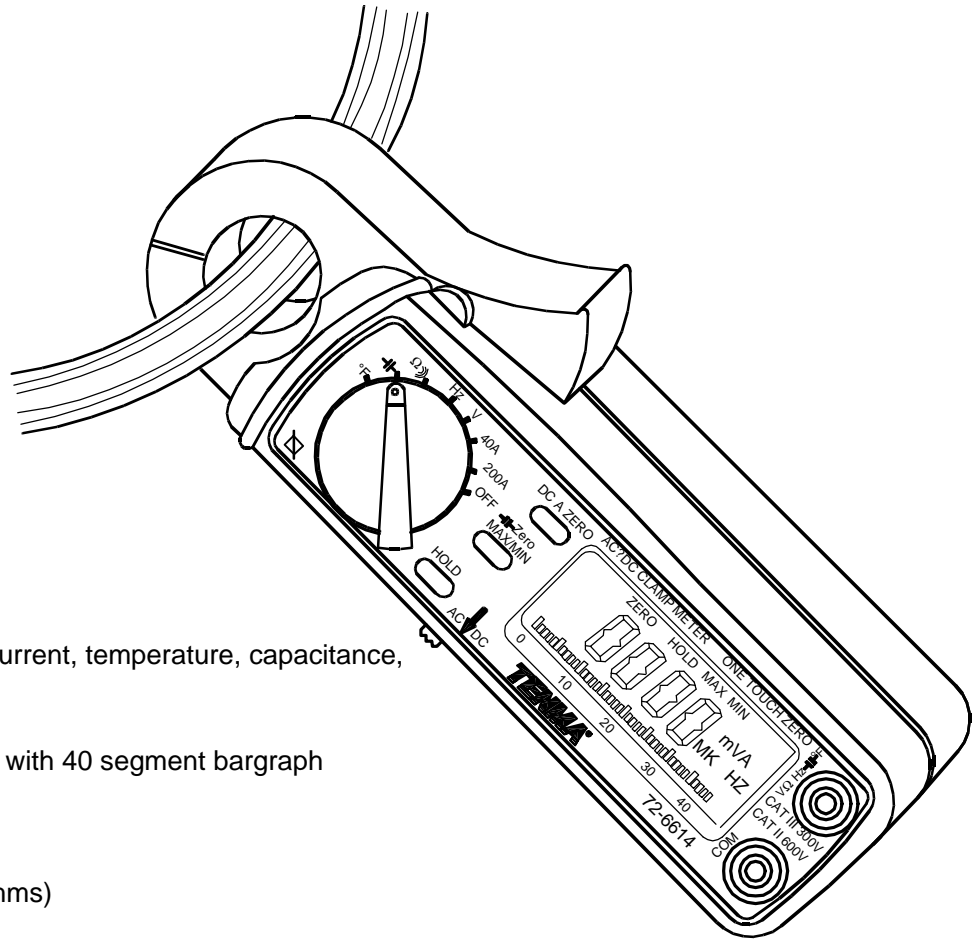


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REVISIONS			DOC. NO. SPC-F004 * Effective: 12/21/98 * DCP No: 680					
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
430	A	RELEASED	JWM	11/8/00	HO	1/24/02	DJC	1/25/02



**Features:**

1. Auto/Manual ranging
2. Measures AC/DC voltage and current, temperature, capacitance, resistance, and frequency
3. High accuracy and resolution
4. Large 3 3/4 digit, 3999 count LCD with 40 segment bargraph
5. Min/Max and relative function
6. Data hold
7. 23mm (0.9") diameter jaw size
8. Audible continuity tester (<40 ohms)
9. Overload Protection
10. One year limited warranty
11. Includes two 1.5V "AA" batteries, K-type thermocouple with transition plug, test leads, carrying bag and owners manual

**General Specifications**

1. Sampling Time: 2 times/sec. ( display)  
20 times/sec. ( bargraph)
2. Operating Temp: -10°C to 50°C @ <85% relative humidity
3. Altitude: up to 2000M
4. Storage Temp: -20°C to 60°C @ <75% relative humidity
5. Dimensions: 183mm(L) x 63.6mm(W) x 35.6mm (H)  
7.2"(L) x 2.5"(W) x 1.4"(H)
6. Weight: 190g with batteries
7. Power Consumption: 10 mA (approx.)
8. Low Battery Indication:  B

SPC-F004.DWG

**DISCLAIMER:**  
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	Jeff McVicker	11/8/00	Mini AC/DC Clamp Meter			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	Hisham Odish	1/24/02	A	72-6614	50N1373.dwg	A
APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: INCHES [mm]	SHEET: 1 OF 2	
Daniel Carey	1/25/02					

**Specifications (23°C±5°C)**

**DC Current:**

Range	Resolution	Accuracy	Overload Protection
40A	10mA	±1.5%±2dgts	DC 400A
0-150A	100mA	±1.5%±2dgts	DC 400A
150-200A	100mA	±2.2%±2dgts	DC 400A

**AC Current:**

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 - 1 KHz	
40A	10mA	±1.5%±3dgts	±2.0%±4dgts	AC 400A
0-150A	100mA	±1.5%±3dgts	±2.0%±4dgts	AC 400A
150-200A	100mA	±2.2%±3dgts	±2.5%±4dgts	AC 400A

**DC Voltage: (Overload Protection: 600V)**

Range	Resolution	Accuracy	Input Impedance
400mV	0.1 mV	±1.5%±3dgts	10 MΩ
4V	1 mV	±1.5%±3dgts	5 MΩ
40V	10mV	±1.5%±3dgts	
400V	100mV	±1.5%±3dgts	
600V	1V	±1.5%±3dgts	

**AC Voltage: (Input Impedance: 5MΩ)**

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 - 1 KHz	
400mV	0.1 mV	--*	--*	AC 800V
0.01- 4V	1mV	±1.5%±5dgts	±2.0%±5dgts	AC 800V
40V	10mV	±1.5%±5dgts	±2.0%±5dgts	AC 800V
400V	100mV	±1.5%±5dgts	±2.0%±5dgts	AC 800V
600V	1 V	±1.5%±5dgts	±2.0%±5dgts	AC 800V

\* 400mV is not designed for AC measurement.

**Resistance (Ω): (open voltage 0.4V)**

Range	Resolution	Accuracy	Overload Protection
400Ω	0.1Ω	±1.5%±2dgts	AC 600V
4KΩ	1Ω	±1.5%±2dgts	AC 600V
40KΩ	10Ω	±1.5%±2dgts	AC 600V
400KΩ	100Ω	±1.5%±2dgts	AC 600V
4MΩ	1KΩ	±1.5%±2dgts	AC 600V
40MΩ	10KΩ	±1.5%±2dgts	AC 600V

**Continuity: (open voltage 0.4V, Overload Protection AC600V)**

Range	Resolution	Accuracy	Beeping
40~400 Ω	0.1Ω	±1.0%±2dgts	< 40.0 Ω (approx.)

**FREQUENCY**

(Auto-range, sensitivity selected by pressing RANGE Button):

Range(Hz)	Resolution	Accuracy	Sensitivity	Overload Protection
100-100K	0.01 - 100 Hz	±0.5%±2dgts	0.01 /0.1 /1 V	AC 600V

**CAPACITANCE**

Range	Resolution	Accuracy	Overload Protection
4nF	1 pF	±5.0%±0.2nF	AC 600V
40nF	10pF	±5.0%±0.2nF	AC 600V
400nF	0.1nF	±3.0%±0.2nF	AC 600V
4μF	1nF	±3.0%±0.02μF	AC 600V
40μF	10nF	±3.0%±0.02μF	AC 600V

**TEMPERATURE (K-Type Thermal Couple with Adapter, °F):**

Range	Resolution	Accuracy	Overload Protection
-40 ~ 0 °F	0.1 °F	±2.0%±4°F	AC 600V
0 ~ 400°F	0.1 °F	±0.5%±4°F	AC 600V
400 ~ 1800°F	1 °F	±0.5%±4°F	AC 600V

SIZE A	DWG. NO. 72-6614	ELECTRONIC FILE 50N1373.dwg	REV A
SCALE: NTS	U.O.M.: INCHES [mm]	SHEET: 2	OF 2