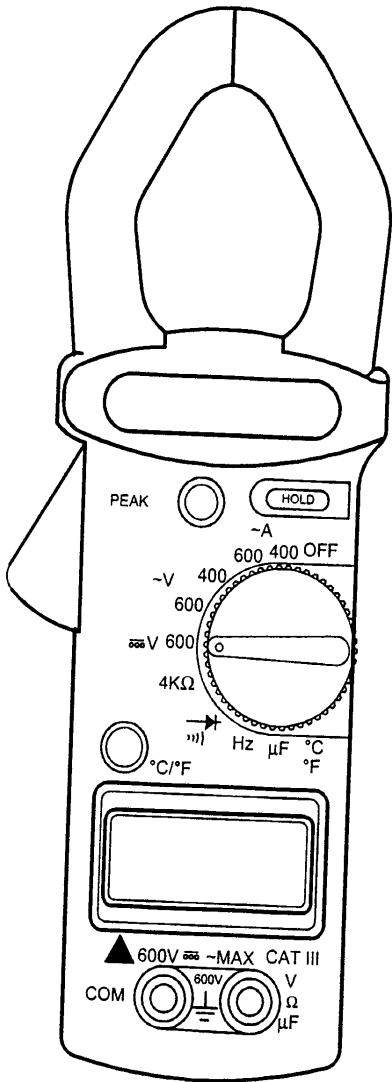


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| REVISIONS | | | DOC. NO. SPC-F004 • Effective: 12/21/98 • DCP No: 680 | | | | | |
|-----------|-----|-------------|---|---------|--------|------|--------|------|
| DCP # | REV | DESCRIPTION | DRAWN | DATE | CHECKD | DATE | APPRVD | DATE |
| 430 | A | RELEASED | JWM | 11/7/00 | JC | | DJC | |



Features:

1. True RMS reading
2. Measures AC/DC voltage, AC current, temperature, capacitance, resistance, and frequency
3. Large 3 3/4 digit, 3999 count LCD display
4. Peak/Data Hold
5. Maximum Cable Dia.: 40mm
6. Diode Test
7. Audible Continuity Test
8. One Year Limited Warranty
9. Overload Protection
10. Meets IEC-1010 safety standards for 600V CAT III applications
11. Includes 9V battery, K-type thermocouple with transition plug, test leads, carrying case and owners manual
12. Low Battery indicator
13. Battery Life: Approx. 150 hrs (Alkaline)

General Specifications

Environmental Conditions:

1. Installation Categories III
2. Pollution Degree 2
3. Altitude up to 2000 meters
4. Indoor use only
5. Relative Humidity 80% max.
6. Operating Temp: 0°C ~ 40°C

Max. voltage between any terminal and earth ground: 600 VRMS
 Operating Principal: Dual Slope integration
 Display: 3 3/4 digit LCD - Max reading 3999
 Sampling Rate: 2.5 time per second (digital display)
 Dimensions: 3"(W) x 9"(L) x 1.5"(H)



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: |
| Jeff McVicker | 11/7/00 |
| CHECKED BY: | DATE: |
| JOHN COLE | |
| APPROVED BY: | DATE: |
| Daniel Carey | |

| | | | |
|--|---------------------|-----------------|-----|
| DRAWING TITLE: True RMS Clamp Meter | | | |
| SIZE | DWG. NO. | ELECTRONIC FILE | REV |
| A | 72-6612 | 50N1372.dwg | A |
| SCALE: NTS | U.O.M.: INCHES [mm] | SHEET: 1 OF 2 | |

AC Current (True RMS)

| Range | Resolution | Accuracy | Frequency Response | Overload Protection |
|-------|------------|----------|--------------------|---------------------|
| 400A | 0.1A | ±(2%+5) | 40~450Hz | 800A |
| 600A | 1A | | | |

AC Voltage (True RMS)

| Range | Resolution | Accuracy | Input Impedance | Frequency Response | Overload Protection |
|-------|------------|----------|-----------------|--------------------|---------------------|
| 400V | 0.1V | ±(2%+5) | 1MΩ | 40~450Hz | 660VRMS |
| 600V | 1V | | | | |

DC Voltage

| Range | Resolution | Accuracy | Input Impedance | Overload Protection |
|-------|------------|------------|-----------------|---------------------|
| 600V | 1V | ±(0.75%+2) | 1MΩ | 660VRMS |

Frequency (Hz)

| Range | Resolution | Accuracy | Sensitivity | Overload Protection |
|-------|------------|-----------|-------------|---------------------|
| 4KHz | 1Hz | ±(0.5%+5) | 1V | 660VRMS |

Frequency (Hz)

| Range | Resolution | Accuracy | Sensitivity | Overload Protection |
|-------|------------|-----------|-------------|---------------------|
| 4KHz | 1Hz | ±(0.5%+5) | 5A | 800A |

Resistance (Ω)

| Range | Resolution | Accuracy | Sensitivity | Overload Protection |
|-------|------------|----------|-------------|---------------------|
| 4KΩ | 0.001KΩ | ±(1%+5) | ≤3.2VDC | 660VRMS |

Peak Hold Measurement

AC Current (True RMS)

| Range | Resolution | Accuracy (50Hz~60Hz) | Overload Protection |
|-------|------------|----------------------|---------------------|
| 400A | 0.1A | ±(2%+10) | 800A |
| 600A | 1A | | |

AC Voltage (True RMS)

| Range | Resolution | Accuracy (50Hz~60Hz) | Overload Protection |
|-------|------------|----------------------|---------------------|
| 400A | 0.1V | ±(1.5%+10) | 660 VRMS |
| 600A | 1V | | |


Capacitance(μF)


| Range | Resolution | Accuracy | Overload Protection |
|----------|------------|----------|---------------------|
| 0~2000μF | 1μF | ±(3%+5) | 250VRMS |

K-Type Temperature Measurement

| Range | Resolution | Accuracy | Overload Protection |
|---------------|------------|-------------|---------------------|
| -20° ~ 300°C | 1°C | ±(2%+3°C) | 660VRMS |
| 300° ~ 1200°C | | ±(3.5%+2°C) | |
| -50~2000°F | 1°F | ±(3%+8°F) | 660VRMS |

Diode / Audible Continuity

| Range | Resolution | Accuracy | Overload Protection |
|---|------------|----------|---------------------|
|  | 0.001V | ±(1%+2) | 660VRMS |

| Range | Buzzer Range | Overload Protection |
|---|---------------|---------------------|
|  | Below 40 Ohms | 660VRMS |

| | | | |
|------------|---------------------|-----------------|------|
| SIZE | DWG. NO. | ELECTRONIC FILE | REV |
| A | 72-6612 | 50N1372.dwg | A |
| SCALE: NTS | U.O.M.: INCHES [mm] | SHEET: 2 | OF 2 |