

3421466

ALL RIGHTS RESERVED. NO PORTION OF THIS PUBLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY.

REVISIONS

DDC NO. SPC-F004 • Effective: 12/21/98 • DCP No: 680

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	A	RELEASED	JWM		JC		DJC	



NOTES:

1. Dimensions: 5 25/32[147](H) x 2 3/4[70](W) x 1 17/32[39](D)
2. Weight: 12oz.[340g]

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.

TENMA®

	DRAWN BY:	DATE:	DRAWING TITLE:					
	Jeff McVicker		Digital Multimeter					
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV		
	JOHN COLE		A	72-4030	92F6213.dwg	A		
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: INCHES [mm]		SHEET: 1 OF 3	
	Daniel Carey							

SPECIFICATIONS

Display: 3 1/2 digit liquid crystal display (LCD) with a maximum reading of 1999

Polarity: Automatic, positive implied, negative polarity indication

Overrange: (OL) or (-OL) is displayed

Zero: Automatic

Low Battery Indication: The battery light is displayed when the battery voltage drops below the operating level

Measurement Rate: 2.5 times per second, nominal

Operating Environment: 0°C~50°C at <70 % relative humidity

Storage Temperature: -20°C~60°C, 0~80 % RH with battery removed from meter

Accuracy: Stated accuracy at 23°C $\pm 5^{\circ}\text{C}$, <75 % relative humidity

Power: Single standard 9V battery, NEDA 1604, JIS 006P, IEC 6F22

Battery Life: 200 hours typical with carbon-zinc

Dimensions: 147mm (H) x 70mm (W) x 39mm (D)

Weight: Approximately 340g including holster

Accessories: One set test leads, 9V battery (installed), one thermocouple probe and operating instructions

DC Voltage

Range: 2V, 20V, 200V, 600V

Resolution: 1mV

Accuracy: $\pm(1.2\% \text{ rdg} + 1 \text{ digit})$

Input Impedance: 10Mohm

Overload Protection: 600VDC or AC RMS

AC Voltage (50Hz - 500Hz) :

Range 200V, 600V

Resolution: 100mV

Accuracy $\pm(2.0\% \text{ rdg} + 4 \text{ digits})$

Input Impedance:4.5Mohm

Overload Protection: 600VDC or AC RMS

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	72-4030	.DWG	A
SCALE: NTS		U.O.M.: INCHES [mm]	SHEET: 2 OF 3

Resistance

Range: 200Ohm, 2Kohm, 20Kohm, 200Kohm, 2000Kohm, 20Mohm, 200Mohm, 2000Mohm

Accuracy: A (1.0 % rdg + 4 digits) on 200Ohm~2000Kohm ranges, A (2.0 % rdg + 4 digits) on 20Mohm

range, A [(5.0 % rdg

10 digits) + 10 digits] on 200Mohm and 2000Mohm ranges

Open Circuit Volts: 0.3VDC (3.0VDC on 200Ohm, 200Mohm, 2000Mohrn ranges)

Overload Protection: 500VDC or AC RMS

Continuity

Audible Indication: Less than 100ohm

Overload Protection: 500VDC or AC RMS

Diode Test

Test Current: 1.0mA i 0.6mA

Accuracy: A (3.0 % rdg + 1 digit)

Open Circuit Volts: 3.0VDC typical

Overload Protection: 500VDC or AC RMS

Capacitance

Range: OFF, 200mF, 2000mF, 20mF

Accuracy: A (4.0 % rdg + 10 digits) on all ranges

Test Frequency: 21Hz

Test Voltage: <3.5V

Input Protection: 0.1A/250V fast acting fuse

Frequency (Autoranging)

Range: 10Hz~100KHz

Accuracy: A (0.5 % rdg + 2 digits) on all ranges

Sensitivity: 2V RMS min.

Overload Protection: 500VDC or AM RMS

Temperature

Range:

20°C~400

C {

4°F~752°F }

Accuracy: A (2.0 % rdg + 2°C), A { 2.0% rdg + 4°F }

Sensor Type: K

type thermocouple

Overload Protection: 500VDC or AC RMS

Phase Indicator

Frequency Range: 45Hz~450Hz

Voltage Range: 80V~480V

SIZE A	DWG. NO. 72-4030	ELECTRONIC FILE .DWG	REV A
SCALE: NTS	U.O.M.: INCHES [mm]	SHEET: 3	OF 3