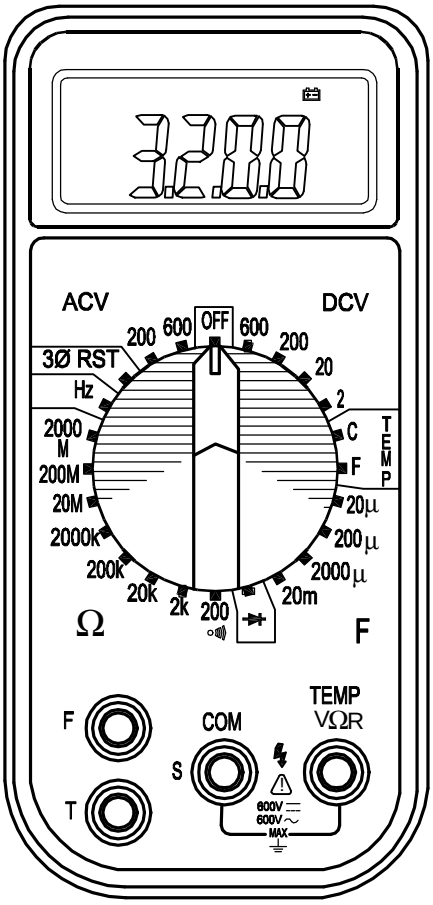
REVISIONS			DOC. NO. SPC-F004 * Effective: 12/21/98 * DCP No: 680					
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
430	A	RELEASED	JWM	1/15/02	HO	1/29/02	DJC	1/30/02

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 ± 5°C, <75 % relative humidity
Power: Single standard 9V battery, NEDA 1604, JIS 006P, IEC 6F22
Battery Life: 200 hours typical with carbon-zinc
Accessories: One set test leads, 9V battery (installed), one thermocouple probe and operating instructions



DC Voltage

Range: 2V, 20V, 200V, 600V
Resolution: 1mV
Accuracy: ±(1.2% rdg + 1 digit)
Input Impedance: 10Mohm
Overload Protection: 600VDC or AC RMS

AC Voltage (50Hz - 500Hz):

Range: 200V, 600V
Resolution: 100mV
Accuracy: ±(2.0% rdg + 4 digits)
Input Impedance: 4.5Mohm
Overload Protection: 600VDC or AC RMS

CE

NOTES:

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

SPC-F004.DWG

TENMA®

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Jeff McVicker	1/15/02
CHECKED BY:	DATE:
Hishamn Odish	1/29/02
APPROVED BY:	DATE:
Daniel Carey	1/30/02

DRAWING TITLE: Digital Multimeter

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	72-4030	92F6213.dwg	A

SCALE: NTS | U.O.M.: INCHES [mm] | SHEET: 1 OF 2

Resistance
Range: 200ohm, 2Kohm, 20Kohm, 200Kohm, 2000Kohm, 20Mohm, 200Mohm, 2000Mohm
Accuracy: ± (1.0% rdg + 4 digits) on 200ohm~2000Kohm ranges,
± (2.0% rdg + 4 digits) on 20Mohm range,
± [(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 ± 0.6mA
Accuracy: ± (3.0% rdg + 1 digit)
Open Circuit Volts: 3.0VDC typical
Overload Protection: 500VDC or AC RMS

Capacitance
Range: 20µF, 200µF, 2000µF, 20mF
Accuracy: ± (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: ± (0.5% rdg + 2 digits) on all ranges
Sensitivity: 2V RMS min.
Overload Protection: 500VDC or AC RMS

Temperature
Range: -20°C~400°C (-4°F~752°F)
Accuracy: ± (2.0% rdg + 2°C), ± (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	DWG. NO.	ELECTRONIC FILE	REV
A	72-4030	92F6213.dwg	A
SCALE: NTS	U.O.M.: INCHES [mm]	SHEET: 2 OF 2	