



REVISIONS

DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1453	A	RELEASED	JWM	10/4/02	HO	2/10/04	CG	2/17/04

**Electrical Specifications**Accuracies are $\pm$ (% of reading + number of least significant digits) at 23°C $\pm$ 5°C <75% R.H.

	Range	Resolution	Accuracy	Input Impedance	
DC Voltage	4V	1mV	$\pm$ (0.8%+1)	10 Megohms	Response Time: 2 sec. Max.
	40V	10mV			
	600V	1V			
	Range	Resolution	Accuracy	Frequency (Hz)	
AC Voltage	4V	1mV	$\pm$ (1.2%+3)	40 ~ 400	Input Impedance: 10 Megohms Response Time: 2 sec. Max.
	40V	10mV			
	600V	1V			
	Range	Resolution	Accuracy	Input Resistor	
DC Current	40 ~ 400mA	100 μ A	$\pm$ (1.2%+3)	1 Ohm	Max. Input Current: 400mA Protected by: 400mA fuse
	Range	Resolution	Accuracy	Input Resistor	
AC Current	40 ~ 400mA	100 μ A	$\pm$ (1.2%+5)	1 Ohm	Max. Input Current: 400mA Protected by: 400mA fuse
	Range	Resolution	Accuracy	Measurement Voltage/Current	
Resistance	400 Ohms	100 milliohms	$\pm$ (1.0%+2)	VDDA 1.2mA or Less	Response Time: 5 sec. Max on 40 Megohm range. 2 sec. On all other ranges Temp Range for 40 Megohm 18°C to 30°C
	4K Ohms	1 Ohm		0.7V (Typ)	
	40K Ohms	10 Ohms		0.7mA or less	
	400K Ohms	100 Ohms			
	4 Megohms	1K Ohms	$\pm$ (1.5%+2)	0.47V (Typ)	
	40 Megohms	10K Ohms		0.47mA or less	

Features:

- Compact size and easy operation
- Ergonomic design for better hand gripping
- Fully automatic and extreme low power consumption
- Auto-polarity with engineering units annunciator
- Auto-voltage range selection:DCV & ACV:1mV~600V
- Auto-ampere range selection: DCA & ACA: 40mA~400mA
- Auto-resistance range selection:0.1 ohm ~ 40Megohms
- Continuity Test
- Auto-power off
- Data Hold

General Specifications

- Display: $3\frac{3}{4}$ digit LCD, 3999 counts with decimal point and engineering units annunciator display
- Polarity: Automatic (-) negative polarity indication
- Zero Adjust: Automatic
- Measuring Method: Dual slope integration A to D converter system
- Over Range Indication: Only the "OL" is displayed
- Power: Single, standard 9 volt battery (NEDA 1604, JIS 006P or (IEC6F22)
- Dimension: 232mm(L) x 45mm(w) x 31mm(D)
- Weight: Approx. 160gm including battery
- Includes: Battery and alligator clip
- Designed for indoor use at temperature of 5°C to 40°C and altitude up to 2,000m.

SPC-F004.DWG

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	Jeff McVicker	10/4/02	Pen Digital Multimeter with Logic Function			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	Hisham Odish	2/10/04	A	72-6620	66F3571.dwg	A
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: INCHES [mm]	SHEET: 1 OF 1
	Chris Gloger	2/17/04				

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