

General Specifications

Display	18mm (0.7") LCD Max. indication 1999
Measurement	Insulation: 200megohm/500V, 1000megohm/1000V OHMS: 200 ohm
Sampling Time	0.4 second
Mega ohm response time	Max. approx. 2.5 second
Zero Adjustment	Automatic adjustment
Over - input	Indication of "1"
Operating Temp.	0°C to 50°C (0°F ~ 122°F)
Operating Humidity	Less than 80% R.H.
Power Supply	Eight, AA(UM-3) batteries <i>(not included)</i>
Power Consumption	Approx. 100mA (1000Mohm/1000V range)
	Approx. 50mA (200Mohm/500Vrange)
	Approx. 1.6mA (200 ohm/OHMS range)
Dimensions	170mm x 127mm x 78mm (6.7"x5.0"x3.1")
Weight	560g (1.2lb)
Includes	Instruction manual, 1 pair alligator clips.

Electrical Specifications (23 °C ± 5 °C)

Mega Ohm

Range	Accuracy	Resolution	Open Circuit Voltage
0 ~ 200 Megohm (500V)	± (3% + 1 digit)	0.1Megohm	Approx. DC 480V (over 8 Mohm)
0 ~ 1000 Megohm (1000V)	± (3% + 1 digit)	1 Megohm	Approx. DC 975V (over 8 Mohm)

Input terminal short circuit current is approx. 0.2mA for 200Mohm/500V range

Input terminal short circuit current is approx. 0.2mA for 1000Mohm/1000V range.

OHMS

200 ohm	± (1% + 1 digit)	0.1 ohm	Approx. 3V
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Overload circuit protection AC/DC 500V (within 20 sec.)

NOTE: The above specifications are tested under the environment RF field strength less than 3 V/M & frequency less than 30 MHz only.

REVISIONS

DOC. NO. SPC-F005 * Effective: 12/21/98 * DCP No: 680

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
904	A	RELEASED	JWM	6/10/02	HO	6/10/02	DJC	6/11/02

FEATURES:

- Built-in 200 ohm range for measuring low resistance such as motor windings, relay coils, etc.
- Battery operated (Not included)
- LSI circuit for high reliability and durability
- Over-input and low battery indications
- Overload protection for each range
- Automatic zero adjust

Environmental Conditions

- Installation Categories III
- Pollution Degree 2
- Altitude up to 2000 meters
- Indoor use
- Relative Humidity 80% max.



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	6/10/02
CHECKED BY:	DATE:
Hisham Odish	6/10/02
APPROVED BY:	DATE:
Daniel Carey	6/11/02

TENMA®

DRAWING TITLE:

Insulation Tester

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	72-6782	17C6506.dwg	A
SCALE: NTS	U.O.M.: Millimeters [Inches]	SHEET: 1 OF 1	